EXPANDED SITE INVESTIGATION (ESI) REPORT

Buckley Towing
Akron, Summit County, Ohio

U.S. EPA ID: OHSFN0507981
September, 2003

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Approved by: Laura J. Ripley Date: 9/29/2003
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September 17, 2002

RE: ESI Report
Buckley Towing
Summit County
CERCLIS # OHSFN0507981

Ms. Laura Ripley
U.S. EPA Region V SE - 4J
77 West Jackson Boulevard
Chicago, IL 60604

Dear Ms. Ripley:

The Ohio EPA Division of Emergency and Remedial Response has completed the ESI for Buckley Towing, a site listed in the Ohio EPA/U.S. EPA Cooperative Agreement for FFY 2003. Enclosed for your review are the ESI report, abbreviated PreScore package, and transmittal memorandum .

If you have any questions or need additional information, please contact me at (614) 836-8759.

Sincerely,

Wendy Vorwerk

Wendy Vorwerk
Ohio EPA
Division of Emergency and Remedial Response

Enclosures

EXPANDED SITE INVESTIGATION
(ESI) REPORT

for

Buckley Towing
Akron, Summit County, Ohio
U.S. EPA ID: OHSFN0507981

OHIO ENVIRONMENTAL PROTECTION AGENCY
Division of Emergency & Remedial Response
Lazarus Government Center
122 South Front Street
Columbus, Ohio 43216

September, 2003

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1.0 EXECUTIVE SUMMARY

The Ohio Environmental Protection Agency (Ohio EPA) Division of Emergency and Remedial Response (DERR) entered into a cooperative agreement with the United States Environmental Protection Agency (USEPA) Region V to conduct an Expanded Site Inspection (ESI) of the Buckley Towing site (Site). The purpose of the ESI is to further investigate contamination detected during the Preliminary Assessment / Site Inspection conducted in September 2001. This report presents the sampling data obtained through the investigation, as well as possible receptors as stated under the Hazard Ranking System (HRS) rule (1).

The Work Plan for this ESI was approved by USEPA on November 21, 2002. The sampling was conducted on January 6th and 7th, 2003. A total of 30 samples including duplicates were collected from the soils, ground water and residential wells. The soil and ground water samples were analyzed through the USEPA Contract Laboratory Program(CLP) for volatile organic compounds (VOCs) and Target Analyte List (TAL) metals. The organic fractions of the residential well samples were sent through CLP for low level VOC analysis, and the inorganic fractions were set to the Central Regional Laboratory (CRL) for low level TAL metal analysis.

Significant results include trichloroethene (TCE) lead and nickel. Under the Hazard Ranking System Rule (1), results are considered "significant" if they are three times the background sample results and above the Contract Required Detection Limit (CRDL) or Contract Required Quantitation Limit (CRQL).

One residential well sample detected TCE at 10 ppb, twice the National Primary Drinking Water Standards (6) Maximum Contaminant Level (MCL) of 5 ppb. TCE was not detected in soil or ground water samples on the site during this investigation. Elevated levels of TCE were not detected during the previous PA/SI Report completed May 10, 2002. TCE was, however, detected in low levels (1.4 ppb) from the monitoring wells during a sampling event conducted by Ohio EPA on January 19, 2000. There were no other elevated detections of VOCs at the site.

Lead was found at elevated levels in nine out of the ten on-site soil samples. The results ranged from 531 ppm to 6,260 ppm. Four households had lead levels ranging from 22.5 ppb to 34.9 ppb. The National Primary Drinking Water Standards(6) Treatment Technique Action Level for lead is 15 ppb. One household also had nickel detected at 210 ppb, which exceeds the MCL of 100 ppb. One of the homes with elevated lead levels appears to be up gradient of the Site. Lead was not detected in the ground water from the two on-site monitoring wells.

There was no lead detected in the on-site monitoring wells, and it was found sporadically in the residential wells. Although it is a possibility TCE was on-site at one time, there is no evidence to support a current on-site source.

2.0 SITE BACKGROUND

2.1 Site Description

The Buckley Towing Site is a former junk yard located at 2977 Manchester Rd, Coventry Township, Summit County, Ohio. (**Figure 1**)(2). The Site is now a vacant, vegetated lot and is approximately 1 acre in size. There are two monitoring wells located on Site, and two soil piles remaining from the Coventry Township clean up action. The Site is bordered by residential properties to the north, south, and east. Manchester Road borders the Site to the west; with residential and commercial properties across Manchester Road. The Site is fenced with a locked gate.

The vast majority of residential properties around the site utilize private ground water wells. There are also numerous public ground water systems within a four mile radius of the site. The City of Akron water supply is obtained from surface water sources outside of the watershed. Public drinking water is available in the area and most of the businesses along Manchester Road utilize the public system.

The nearest water body is the Long Lake channel which is located about 1,000 feet to the north and east of the Site. This is part of the Portage Lake system.

2.2 Site History

Buckley Towing is the location of a junk yard which operated from the 1940's until 1999. Robert Buckley owned the property until his death in 1997. His heirs are his sons Ernie Buckley and Ed Buckley. There is a large tax lien on the property. The property is in probate and is now for sale.

A historic time line follows (3):

10/2/1998 - A letter was sent to the Ohio EPA from the Summit County Health Department discussing 11 residential wells that were sampled by the Summit County Health Department near the Buckley Towing site. Two of the wells had TCE detected at 0.6 ppb and 11 ppb.

9/8/1999 - After a lengthy litigation, the Summit County Common Pleas Court issued an Agreed Judgment Entry permitting Coventry Township to initiate clean up actions at the property. The Township received a $75,000 grant from the Summit County Solid Waste Management Authority for clean up of 20,000+ tires, scrap metal, and other solid waste at the site.

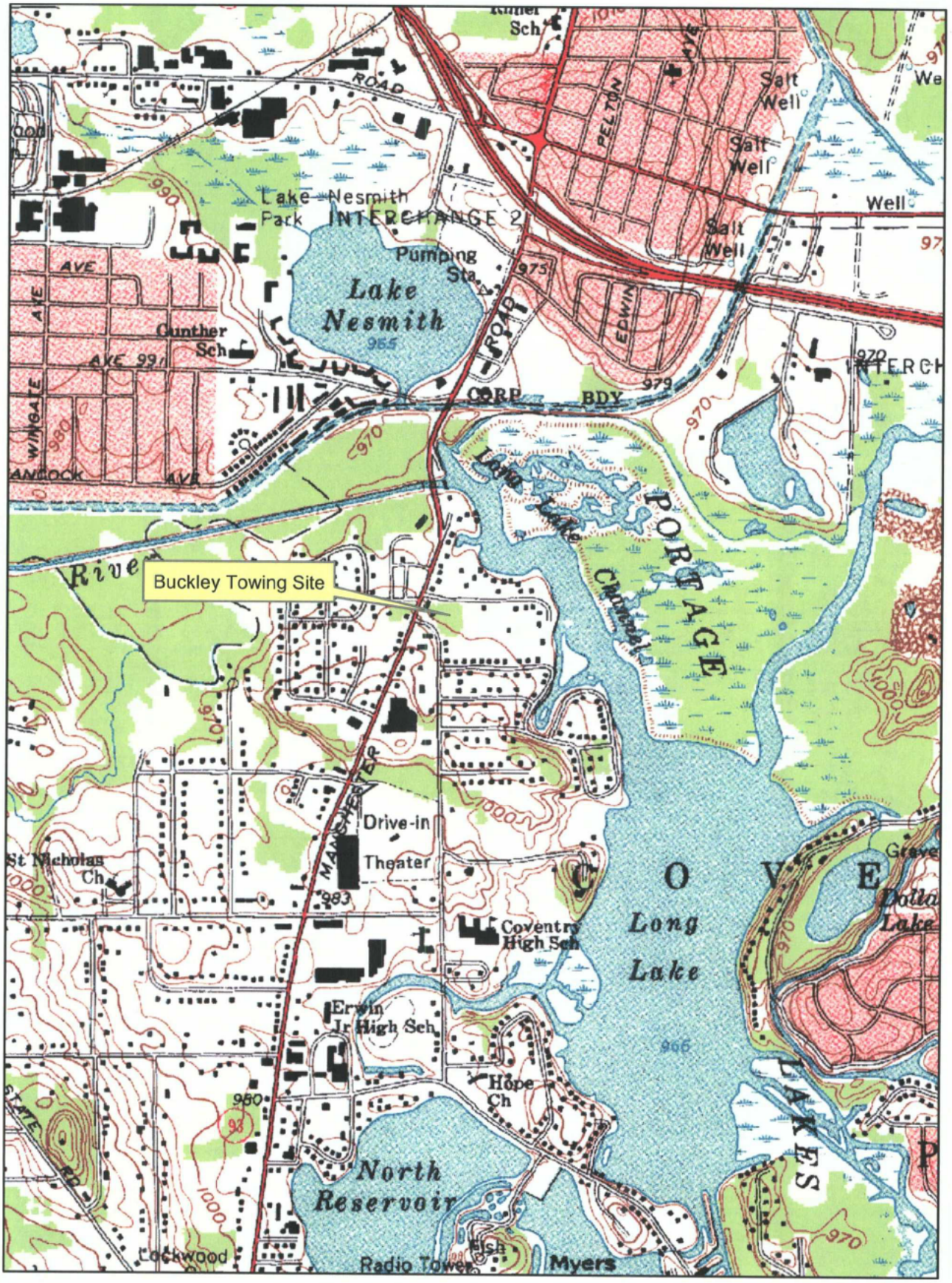

Figure 1: Buckley Towing Site Location Map
Akron West Quadrangle

Feet
0 370 740 1,480 2,220 2,960
N W E S

11/17/1999 - A complaint to the Ohio EPA was filed by the Summit County Health Department about 10 leaking drums found on Site that smelled of solvents. The $75,000 clean up grant did not provide the resources to dispose of hazardous wastes.

11/1999 - Coventry Township completed the solid waste clean up of the Site.

12/15/1999 - The complaint inspection was conducted by the Ohio EPA. A total of twenty six (26) 55 gallon drums were inventoried, as well as 9 smaller containers. Most of the drums were deteriorating and some were leaking.

12/16/1999 - The Ohio EPA received a letter from the Summit County Health Department stating that the contaminated soils were piled and left on Site after the clean-up.

1/5/2000 - The Ohio EPA requested the assistance from the USEPA for an Emergency Removal at the site.

1/19/2000 - Ohio EPA collected 11 samples from the on-site drums; two soil pile samples; two residential well samples; and two on-site wells. Results from the drum samples showed TCLP levels of lead, barium and 2-butanone. The on-site wells contained low levels of TCE (1.4 ppb), Benzene, toluene, chloromethane, and methylene choride. The residential wells also showed low levels of chloromethane, methylene choride, benzene, and TCE. However, the TCE levels in one of the wells was 11 ppb, above the MCL.

3/13/2000 - The USEPA conducted a site assessment of the property.

6/14/2000 - The USEPA conducted an emergency removal of the drums on the property. The drum removal was completed on 7/20/2000.

9/26/2001 - Sampling for the Preliminary Assessment/Site Investigation (PA/SI) was conducted by the Ohio EPA.

5/10/2002 - The PA/SI report was completed. Significant results included trichloroethene (TCE) detected at 15 ppb in one residential well down gradient of the Site. Lead was detected in two other residential water samples at 42.3 and 12 ppb. Elevated levels of lead were also detected in the on-site soils.

2.3 Geological and Hydrogeological Setting

The surficial soil consists of the Chili-Urban land complex, undulating. This mapping unit consists of areas where the original Chili soils have been largely destroyed or covered by grading and digging. Most areas are used for urban or industrial development. Borrow or fill areas make up 50 to 75 percent of the mapping unit, but the soils are undisturbed in

undeveloped lots, in the back part of developed lots, and in small patches of woodland (11). Fill areas typically consists of about 1 to 3 feet of fill material overlying Chili soils or inclusions of Bogart or Oshtemo soils. The fill is loamy material from the subsoil of Chili soils or, in some places, gravelly material. In the borrow areas, the subsoil of these soils or sand and gravel are exposed (11).

The surface layer of the disturbed soil commonly has a low organic-matter content and poor tilth. It is dry, and seed germination is generally poor. The hazard of erosion is severe, particularly if the soil is bare of vegetation during construction. Bare areas produce large amounts of sediment and runoff. Other than slope, the mapping unit has few limitations for most non-farm uses (11).

Most of the glacial drift in this area is of early Wisconsin (or Tazewell) age. This drift was deposited by ice advancing southeastward. The area is primarily ground moraine deposits. Typically this consists of gently, undulating to hilly, bedrock-controlled topography. Coarse, stony, sandy till is characteristic. This includes small areas of hummocky topography in which drift is more gravelly (12).

Most of the bedrock surface as Mississippian in the area is the Cuyahoga group consisting of alternating sandstone and shale. Sandstones may be massive or they may be thin bedded and contain thin layers of shale. They vary from 5 to 50 feet in thickness. The shales generally contain thin, platey layers of sandstone, although in places they maybe massive and attain a thickness of more than 100 feet. Ground water generally is obtained from sandstones which yield 5 to 10 gpm (12).

The "Land Areas in Summit County, Ohio, Geologic Suitability for Solid-Waste Disposal," map, (13) identifies this area as unsuitable for solid waste disposal. These sand and gravel units should be excluded as possible waste-disposal sites because of their high permeability, their function as important aquifers or ground-water recharge units, and their hydraulic connections with surface water and with other aquifers.

2.4 Ground Water Flow Direction

Based on the location and relief of the bedrock, it appears there is a northward component flow direction. This could not be verified, as the area is relatively flat and lacks the necessary monitoring wells to measure static water levels to ascertain flow direction.

3.0 SAMPLING LOCATIONS AND RESULTS

A total of 30 samples, including duplicates were collected during the January 2003 investigation. The location of the ground water samples are shown on **Figure 2,** and the location of the soil and residential well samples are shown **Figure 3**. Standard Quality Assurance and Quality Control (QA/QC) procedures for field activities were followed during the investigation. All samples were collected, packaged, and shipped following the Quality Assurance Project Plan (QAPP) for Region V Superfund Site Inspection Activities for Ohio EPA and with Ohio EPA Standard Operating Procedures (5).

The soil and ground water monitoring well samples analyzed through the USEPA Contract Laboratory Program (CLP) for volatile organic compounds (VOCs), and the Target Analyte List (TAL) metals. The Geoprobe™ ground water samples were analyzed for VOC's only. The organic fraction of the residential well samples were analyzed though CLP for low level VOC's, and the inorganic fraction was sent to the Central Regional Laboratory (CRL) for low level TAL metal analysis.

Complete analytical results of this investigation are contained in **Appendix A**. Significant results based on these data are summarized in **Tables 1 through 3**. Under the Hazard Ranking System Rule (1), results are considered significant if they are three times the background sample results and above the Contract Required Detection Limit (CRDL) or Contract Required Quantitation Limit (CRQL).

3.1 Soil Samples

Nine soil samples and one duplicate sample, were collected on-site. The background soil sample used was collected during the PA/SI investigation at Nesmith Lake Park located on Manchester Road about two miles north of the Site. The sample was collected at this park because the soil appeared to be native and not as heavily impacted as other areas.

The significant results for the soil samples can be found in **Table 1**. There were no VOC's detected in any of the soil samples. Fairly high levels of lead were found in most of the on-site soil samples. Ohio EPA's Voluntary Action Program (VAP) has generic direct-contact standards for lead. The lead standard for residential land use is 400 ppm, 1800 ppm for commercial/Industrial land use and 1600 ppm for construction and excavation activities(15). Several of the lead results were above one or all of these standards. **Figure 4** shows the soil sample locations with the lead results.

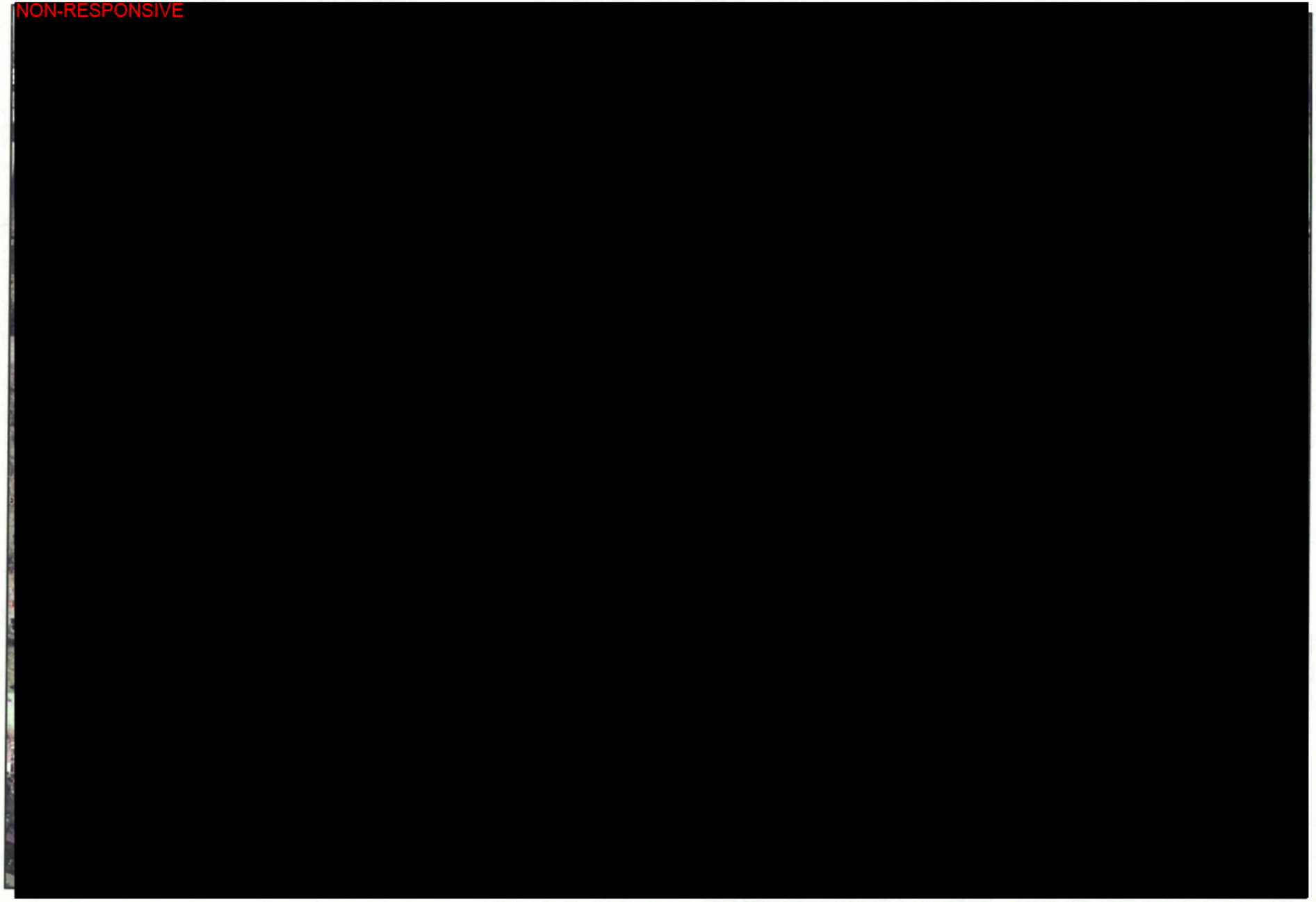

Figure 2: Buckley Towing Ground Water Sample Location Map

120 60 0 120 Feet

KEY

- Monitoring Well
- Geoprobe Groundwater Sample
- Geoprobe Refusal

N
W E
S

NON-RESPONSIVE

Figure 3: Buckley Towing Soil and Residential Well Sample Location Map

175 87.5 0 175 Feet

KEY

- Residential Well
- Soil Sample Location

N
W E
S

Figure 4: Soil Sample Locations and Lead Results

75 37.5 0 75 Feet

KEY

Soil Sample Location

N
W E
S

Table 1: Significant Soil Sample Results

Sample Number :	ME0578		ME0579		ME0580		ME0581		ME0582	
Sampling Location :	SO-01		SO-02		SO-03 / dup of 02		SO-04		SO-05	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	01/07/2003		01/07/2003		01/07/2003		01/07/2003		01/07/2003	
Time Sampled :	13:40		13:45		14:00		14:35		15:15	
%Solids :	77.2		72.7		80.0		78.6		78.7	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Analyte	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Antimony							46.1	J		
Barium	217		226		208		628		477	
Beryllium			1.3							
Cadmium	8.6		8.6		7.2		12.9		5.9	
Calcium	6320	J	6330	J	9100	J			13700	J
Chromium	38.0		47.9		32.1		32.9		32.8	
Cobalt			13.9							
Copper	305		266				410			
Iron	93800		120000		74300		60500		52900	
Lead	1860	J	656	J	666	J	6260	J	668	J
Manganese							1030			
Mercury	0.22		0.17		0.15		0.10		0.18	
Nickel	82.3	J	76.9	J	59.3	J	98.5	J	74.3	J
Silver	2.7		2.6		2.7		2.3		2.9	
Zinc	1330		1170		1260		2780	J	1230	

Sample Number :	ME0583		ME0584		ME0585		ME0586		ME0587	
Sampling Location :	SO-06		SO-07		SO-08		SO-09		SO-10	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	01/07/2003		01/07/2003		01/07/2003		01/07/2003		01/07/2003	
Time Sampled :	15:45		16:20		16:00		16:30		17:00	
%Solids :	79.3		78.7		77.0		79.0		71.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Analyte	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Antimony							69.5	J		
Barium	241		226		179		1290		295	
Beryllium			3.1				1.6			
Cadmium	4.6		5.7		2.0		21.5		9.2	
Calcium	14200	J	28300	J	1300	J	2430	J	2000	J
Chromium	26.2		28.2				31.9		35.4	
Copper							633			
Iron	45200		41600				52900		88700	
Lead	684	J	531	J			1290	J	601	J
Magnesium	5500	J								
Mercury	0.18						0.22			
Nickel	45.2	J	49.7	J			132	J	115	J
Selenium										
Silver	4.5						2.2		2.1	
Vanadium			25.1							

3.2 Ground Water Samples

Seventeen ground water samples were collected during the ESI investigation. Fourteen samples were collected using the Geoprobe™ and analyzed for VOC's only. Two samples and one duplicate were collected from the two on-site monitoring wells and analyzed for TCL organics and TAL metals.

There are no well logs, construction details, or date of installation for the on-site monitoring wells. They appeared to be in adequate condition with exception of poor fitting caps. The caps were duct taped to create a water tight seal. The depths of the wells were measured at 40.35 feet for the east well and 38.65 feet for the southwest well.

The Geoprobe™ ground water samples were collected as deep as possible. Because of the geology of the Site, the Geoprobe™ was only able to penetrate down to 15 feet. There were several areas where refusal was reached before water was reached. The ground water sample locations, along with the sample depths can be found on **Figure 5**.

The significant results for the ground water samples can be found in **Table 2.** The background sample used to determine significants was the background residential well samples (RW-6 and RW-7). For the monitoring well samples, there were no significant organic results. Significant inorganic results are limited to calcium, iron, magnesium, manganese, potassium, sodium and zinc. Nickle was found at 15.6 and 18.7 ppb. For the Geoprobe™ samples, the only significant result is 1,1-Dichloroethane detected at 12 ppb in sample GW-13. This sample was collected on the property of the home with TCE detected in the well.

Table 2: Significant Ground Water Sample Results

Sample Number :	ME0555		ME0556		ME0557		E0600	
Sampling Location :	MW-1		MW-2		MW-5 (Dup of MW-2)		GW-13	
Matrix :	Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L	
Date Sampled :	01/07/2003		01/07/2003		01/07/2003		01/07/2003	
Time Sampled :	11:00		12:10		12:20		08:55	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag
1,1-Dichloroethane							12	
Analyte	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Calcium	158000		51700		53100			
Iron	365		20900		21300			
Magnesium	44700		13600		14000			
Manganese	40.5		1100		1130			
Potassium	12700	J	3950		4030			
Sodium	273000	J	41700	J	42900	J		
Zinc	23.9							

Figure 5: Buckley Towing Ground Water Sample Depth

120 60 0 120 Feet

KEY

- Monitoring Well
- Geoprobe Groundwater Sample
- Geoprobe Refusal

N
W E
S

3.3 Residential Well Samples

Sixteen residential well samples and two duplicate samples were collected from residential wells adjacent to the Site. Nine samples were collected on NON-RESPONSIVE, two on NON-RESPONSIVE and three on NON-RESPONSIVE. The background samples (RW-6 and RW-7) were collected on Cormany Road.

The significant results for the residential well samples can be found in **Table 3.** Three contaminants, lead, nickel, and trichloroethene (TCE), were found in concentrations that exceed the National Primary Drinking Water Standards(6). One household, sample RW-10, had concentrations of TCE detected at 10 ppb. The Maximum Contaminant Level (MCL) for TCE is 5 ppb. Four households, sample numbers RW-2, RW-4, RW-10 and RW-16, had levels of lead above the 15 ppb Treatment Technique Action Level . The results for lead ranged from 22.5 ppb to 34.9 ppb for these households. Nickel was detected in residential well RW 10 at 210 ppb. The residential well sample locations with well depths, TCE, nickel and lead results can be found on **Figure 6.**

NON-RESPONSIVE

Figure 6: Buckley Towing Residential Well Depths and Results

175 87.5 0 175 Feet

KEY

Residential Well Sample Location

N
W E
S

Table 3: Significant Residential Well Sample Results

Sample Number :	ED558		ED559		ED560		ED561		ED562		ED563	
Sampling Location :	RW-1		RW-2		RW-3		RW-4		RW-5		RW6	
Address:	NON-		NON-		NON-		NON-		NON-		NON-	
Matrix :												
Units :	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	01/07/2003		01/07/2003		1/6/2003		01/06/2003		1/7/2003		1/7/2003	
Time Sampled :	14:15		16:15		1642		1325		1130		1140	
Analyte	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Cobalt			4.4				2.8	J				
Lead	5.7		26.8				30.3					
Iron	253		14000	K	7080	K	10500	K				
Manganese			1550		153		642					
Nickel			44.3				25.2					
Zinc	67.5		182		2600		170					

Sample Number :	ED564		ED565		ED566		ED567		ED568		ED569	
Sampling Location :	RW-7		RW-8		RW-9		RW-10		RW-10D		RW-11	
Address:	NON-		NON-		NON-		NON-		NON-		NON-	
Matrix :												
Units :	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	01/07/2003		01/06/2003		01/07/2003		01/06/2003		01/06/2003		01/06/2003	
Time Sampled :	11:45		17:40		1535		1300		1300		16:45	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Trichloroethene							10		10			
Analyte	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aluminum							611					
Arsenic							4.4					
Cadmium							1.5					
Chromium							1.9					
Cobalt							29.2					
Copper							243					
Iron			234				33000	K			273	
Lead							34.9					
Manganese			99.8				1390					
Nickel							221					
Zinc							304					

Sample Number :	ED570		ED571		ED572		ED573		ED574		ED575	
Sampling Location :	RW-12		RW-13		RW-14		RW-15		RW-16		RW-17	
Address:	NON-		NON-		NON-		NON-		NON-		NON-	
Matrix :							Water					
Units :	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	01/06/2003		01/07/2003		01/06/2003		01/07/2003		01/07/2003		01/07/2003	
Time Sampled :	17:10		14:55		1251		1630		16:45		17:00	
Analyte	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Arsenic							4.4					
Cadmium							1.5					
Chromium							1.2					
Copper							376		353		249	
Iron	1360				152							
Lead									22.5			
Manganese	167				272							
Zinc							51.6		81.4			

4.0 MIGRATION PATHWAYS

4.1 Soil Exposure Pathway

The Buckley Towing site is located in a suburban area in Akron, Ohio. There are no workers or terrestrial sensitive environments on-site. There are no resident individuals, which is defined by HRS rule as a person who lives or attends school on and within 200 feet an area of contamination (1). There are no known day-care facilities or schools within 200 feet. Access to the Site is restricted by a fence and locked gate. The nearby population within one mile is 5,004 (7).

4.2 Groundwater Pathway

The Site lies in an area where most residents are utilizing private wells. The available well logs can be found in **Appendix B**. There is also numerous public water supply ground water systems in the area (8). See **Appendix C** for a complete data base table and Geographical Information Systems (GIS) radius map.

Table 4: Public Ground Water Systems and Population by Radius Ring

Radius Ring (miles)	Number of Systems	Population Served
0-1/4	2	395
1/4 -1/2	0	0
½- 1	4	850
1 - 2	28	5493
2 - 3	31	3291
3 - 4	44	6155

Ground water flow in the vicinity of the Site appears to be generally flowing to the north, north east. Many residential wells are down gradient of the Site. Additionally, the highly permeable geology would allow for rapid migration of contaminants through the aquifer as well as surface infiltration.

TCE was detected above the MCL in the one residential well sample directly down gradient from the Site. This same well had TCE above the MCL during the PA/SI investigation.

TCE was not detected in either the on-site soil or ground water samples during this sample event nor during PA/SI sampling. However, during the January 19, 2000 sampling event the on-site wells contained low levels of TCE, Benzene, toluene, chloromethane, and methylene choride.

Lead appeared at elevated levels in four of the 16 residential well samples. It appears two of these samples are from wells nearly upgradient or side-gradient from the Site. During the PA/SI, lead was detected above the 15 ppb action level in two different residential wells. These wells did not have detected elevated lead levels during this investigation. Lead did appear at fairly high levels in the on-site soil samples both during the ESI and PA/SI investigations. Lead was not detected at significant levels in the monitoring well samples during either investigation. Nickel was detected above the 100 ppb MCL in one residential well sample and was not detected in the ground water on-site.

There was no lead detected in the on-site monitoring wells, and it was found sporadically in the residential wells. Although it is a possibility TCE was on-site at one time, there is no evidence to support a current on-site source.

For verification, the Ohio EPA and/or the Ohio Department of Health plans on re-sampling the following wells as a state lead project. This work will be completed by the end of 2003.

RW-2	NON-	Metals
RW-4	NON- IVE	VOCs and Metals
RW-10	NON-	VOCs and Metals
RW-14	NON-	VOCs and Metals
RW-16	NON- RESPONSI	Metals

4.3 Surface Water Pathway

The nearest water body to the Buckley Towing site is the Long Lake Channel which is located about 1,000 feet to the north and east of the site. It appears to collect the overland flow drainage from the Site.

The 15 mile Target Distance Limit (TDL) consists of 0.2 miles to the end of the Long Lake Channel. From there it splits into two different systems. A dam allows some of the water to flow west into the Tuscarawas River, and the remainder to flow north through the Ohio Canal and the City of Akron.

The first TDL consists of 11.7 miles of the Tuscarawas River, with the remaining 3.1 miles in Chippawa Creek near the town of Clinton. Both water bodies are designated in the Ohio Water Quality Standards as Modified Warmwater Habitat (MWH) that is heavily channelized (10). Both are not attaining this aquatic life use designation. There is one state threatened species, Wild Rice (zizania aquatica) with in the TDL of the Tuscarawas

River (9). See **Appendix C** for a GIS radius map and data base table.

The second TDL consists of 2.5 miles of the Ohio Canal until Summit Lake. Summit Lake intersects the Ohio Canal for 1 mile, then the Canal continues for 6.3 Miles. From there, the Cuyahoga River makes up the last 5 miles of the TDL. The Ohio Canal is also listed as a MWH that is heavily channelized and not attaining this aquatic life use designation. The Cuyahoga River is designated as Warm Water Habitat (WWH) and ranges from fully attaining to not attaining (10). There are no endangered species, wetlands or water intakes within this TDL (9).

4.4 Air Pathway

Although Ohio EPA personnel did not initiate a formal air sampling program at Buckley Towing portable air monitoring was conducted during the sampling investigation. The Site is mostly vegetated, with some areas of exposed soil.

The estimated population according to the 2000 census is as follows (7):

RADIUS	POPULATION
0-1/4	167
1/4-1/2	810
½-1	4,027
1-2	21,280
2-3	41,713
3-4	48,840
Total	116,837

5.0 REFERENCES

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7. Ohio EPA. TIGER Census Data. Geographical Information Systems.

8. Ohio EPA. Water Supply Database. Geographical Information Systems.

9. Ohio EPA. Endangered Species Data Base. Geographical Information Systems.

10. Ohio EPA. Regulations, Volume One Chapter 3745-1-11. 1998-2 edition.

11. Soil Survey, Summit County, Ohio, United States Department of Agriculture, Ohio Department of Natural Resources, Ohio Agricultural Research and Development Center, November, 1974.

12. Ohio Department of Natural Resources, Division of Water, The Ground-Water Resources of Summit County, Ohio, bulletin 27, November, 1953.

13. Division of Geological Survey, Report of Investigations N0. 98. Land Areas in Summit County, Ohio-Geologic Suitability For Solid-Waste Disposal Map, Robert G. Van Horn, 1976.

14. Ohio Department of Natural Resources, Division of Water, Ground Water Resources of Summit County Map, James J Schmidt, 1979.

Appendix A

Analytical Data

Analytical Results (Qualified Data)

Sample Number :	E0578		E0578MS		E0578MSD		E0579		E0580	
Sampling Location :	SO-01		SO-01		SO-01		SO-02		SO-03	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	01/07/2003		01/07/2003		01/07/2003		01/07/2003		01/07/2003	
Time Sampled :	13:40		13:40		13:40		13:45		14:00	
%Moisture :	25		25		25		26		32	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	13	U	13	U	13	U	14	U	15	U
Chloromethane	13	U	13	U	13	U	14	U	15	U
Vinyl Chloride	13	U	13	U	13	U	14	U	15	U
Bromomethane	13	U	13	U	13	U	14	U	15	U
Chloroethane	13	U	13	U	13	U	14	U	15	U
Trichlorofluoromethane	13	U	13	U	13	U	14	U	15	U
1,1-Dichloroethene	13	U	44		42		14	U	15	U
1,1,2-Trichloro-1,2,2-trifluoroethane	13	U	13	U	13	U	14	U	15	U
Acetone	13	UJ	13	U	13	U	14	U	15	U
Carbon Disulfide	13	U	13	U	13	U	14	U	15	U
Methyl Acetate	13	U	13	U	13	U	14	U	15	U
Methylene Chloride	13	U	13	U	13	U	14	U	15	U
trans-1,2-Dichloroethene	13	U	13	U	13	U	14	U	15	U
Methyl tert-Butyl Ether	13	U	13	U	13	U	14	U	15	U
1,1-Dichloroethane	13	U	13	U	13	U	14	U	15	U
cis-1,2-Dichloroethene	13	U	13	U	13	U	14	U	15	U
2-Butanone	13	U	13	U	13	U	14	U	15	U
Chloroform	13	U	13	U	13	U	14	U	15	U
1,1,1-Trichloroethane	13	U	13	U	13	U	14	U	15	U
Cyclohexane	13	U	13	U	13	U	14	U	15	U
Carbon Tetrachloride	13	U	13	U	13	U	14	U	15	U
Benzene	13	U	45		46		14	U	15	U
1,2-Dichloroethane	13	U	13	U	13	U	14	U	15	U
Trichloroethene	13	U	42		43		14	U	15	U
Methylcyclohexane	13	U	13	U	13	U	14	U	15	U
1,2-Dichloropropane	13	U	13	U	13	U	14	U	15	U
Bromodichloromethane	13	U	13	U	13	U	14	U	15	U
cis-1,3-Dichloropropene	13	U	13	U	13	U	14	U	15	U
4-Methyl-2-pentanone	13	UJ	13	UJ	13	UJ	14	UJ	15	UJ
Toluene	13	UJ	37	J	42	J	14	U	15	U
trans-1,3-Dichloropropene	13	U	13	U	13	U	14	U	15	U
1,1,2-Trichloroethane	13	U	13	U	13	U	14	U	15	U
Tetrachloroethene	13	U	13	U	13	U	14	U	15	U
2-Hexanone	13	U	13	U	13	U	14	U	15	U
Dibromochloromethane	13	U	13	U	13	U	14	U	15	U
1,2-Dibromoethane	13	U	13	U	13	U	14	U	15	U
Chlorobenzene	13	UJ	32		37		14	U	15	U
Ethylbenzene	13	U	13	U	13	U	14	U	15	U
Xylenes (total)	13	U	13	U	13	U	14	U	15	U
Styrene	13	U	13	U	13	U	14	U	15	U
Bromoform	13	U	13	U	13	U	14	U	15	U
Isopropylbenzene	13	U	13	U	13	U	14	U	15	U
1,1,2,2-Tetrachloroethane	13	U	13	U	13	U	14	U	15	U
1,3-Dichlorobenzene	13	UJ	13	UJ	13	UJ	14	U	15	U
1,4-Dichlorobenzene	13	UJ	13	UJ	13	UJ	14	UJ	15	UJ
1,2-Dichlorobenzene	13	UJ	13	UJ	13	UJ	14	UJ	15	UJ
1,2-Dibromo-3-chloropropane	13	U	13	U	13	U	14	U	15	U
1,2,4-Trichlorobenzene	13	UJ	13	U	13	U	14	U	15	U

Analytical Results (Qualified Data)

Sample Number :	E0581		E0582		E0583		E0584		E0585	
Sampling Location :	SO-04		SO-05		SO-06		SO-07		SO-08	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	01/07/2003		01/07/2003		01/07/2003		01/07/2003		01/07/2003	
Time Sampled :	14:35		15:15		15:45		16:20		16:00	
%Moisture :	21		24		19		21		22	
pH :	7.0		7.0		7.0		7.0		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	13	U	13	U	12	U	13	U	13	U
Chloromethane	13	U	13	U	12	U	13	U	13	U
Vinyl Chloride	13	U	13	U	12	U	13	U	13	U
Bromomethane	13	U	13	U	12	U	13	U	13	U
Chloroethane	13	U	13	U	12	U	13	U	13	U
Trichlorofluoromethane	13	U	13	U	12	U	13	U	13	U
1,1-Dichloroethene	13	U	13	U	12	U	13	U	13	U
1,1,2-Trichloro-1,2,2-trifluoroethane	13	U	13	U	12	U	13	U	13	U
Acetone	13	U	13	U	12	UJ	13	U	13	U
Carbon Disulfide	13	U	13	U	12	U	13	U	13	U
Methyl Acetate	13	U	13	U	12	U	13	U	13	U
Methylene Chloride	13	U	13	U	12	U	13	U	13	U
trans-1,2-Dichloroethene	13	U	13	U	12	U	13	U	13	U
Methyl tert-Butyl Ether	13	U	13	U	12	U	13	U	13	U
1,1-Dichloroethane	13	U	13	U	12	U	13	U	13	U
cis-1,2-Dichloroethene	13	U	13	U	12	U	13	U	13	U
2-Butanone	13	U	13	U	12	U	13	U	13	U
Chloroform	13	U	13	U	12	U	13	U	13	U
1,1,1-Trichloroethane	13	U	13	U	12	U	13	U	13	U
Cyclohexane	13	U	13	U	12	U	13	U	13	U
Carbon Tetrachloride	13	U	13	U	12	U	13	U	13	U
Benzene	13	U	13	U	12	U	13	U	13	U
1,2-Dichloroethane	13	U	13	U	12	U	13	U	13	U
Trichloroethene	13	U	13	U	12	U	13	U	13	U
Methylcyclohexane	13	U	13	U	12	U	13	U	13	U
1,2-Dichloropropane	13	U	13	U	12	U	13	U	13	U
Bromodichloromethane	13	U	13	U	12	U	13	U	13	U
cis-1,3-Dichloropropene	13	U	13	U	12	U	13	U	13	U
4-Methyl-2-pentanone	13	UJ	13	UJ	12	UJ	13	UJ	13	UJ
Toluene	13	U	13	U	12	U	13	U	13	U
trans-1,3-Dichloropropene	13	U	13	U	12	U	13	U	13	U
1,1,2-Trichloroethane	13	U	13	U	12	U	13	U	13	U
Tetrachloroethene	13	U	13	U	12	U	13	U	13	U
2-Hexanone	13	U	13	U	12	U	13	U	13	U
Dibromochloromethane	13	U	13	U	12	U	13	U	13	U
1,2-Dibromoethane	13	U	13	U	12	U	13	U	13	U
Chlorobenzene	13	U	13	U	12	U	13	U	13	U
Ethylbenzene	13	U	13	U	12	U	13	U	13	U
Xylenes (total)	13	U	13	U	12	U	13	U	13	U
Styrene	13	U	13	U	12	U	13	U	13	U
Bromoform	13	U	13	U	12	U	13	U	13	U
Isopropylbenzene	13	U	13	U	12	U	13	U	13	U
1,1,2,2-Tetrachloroethane	13	U	13	U	12	U	13	U	13	U
1,3-Dichlorobenzene	13	U	13	U	12	U	13	U	13	U
1,4-Dichlorobenzene	13	U	13	U	12	U	13	U	13	U
1,2-Dichlorobenzene	13	U	13	U	12	U	13	U	13	U
1,2-Dibromo-3-chloropropane	13	U	13	U	12	U	13	U	13	U
1,2,4-Trichlorobenzene	13	U	13	U	12	U	13	U	13	U

Analytical Results (Qualified Data)

Sample Number :	E0586		E0587		VBLKPD		VHBLKPD			
Sampling Location :	SO-09		SO-10							
Matrix :	Soil		Soil		Soil		Soil			
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg			
Date Sampled :	01/07/2003		01/07/2003							
Time Sampled :	16:30		17:00							
%Moisture :	21		21		N/A		0			
pH :	7.0		7.0				7.0			
Dilution Factor :	1.0		1.0		1.0		1.0			
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	13	U	13	U	10	U	10	U		
Chloromethane	13	U	13	U	10	U	10	U		
Vinyl Chloride	13	U	13	U	10	U	10	U		
Bromomethane	13	U	13	U	10	U	10	U		
Chloroethane	13	U	13	U	10	U	10	U		
Trichlorofluoromethane	13	U	13	U	10	U	10	U		
1,1-Dichloroethene	13	U	13	U	10	U	10	U		
1,1,2-Trichloro-1,2,2-trifluoroethane	13	U	13	U	10	U	10	U		
Acetone	13	UJ	13	U	3	J	10	U		
Carbon Disulfide	13	U	13	U	10	U	10	U		
Methyl Acetate	13	U	13	U	10	U	10	U		
Methylene Chloride	13	U	13	U	10	U	10	U		
trans-1,2-Dichloroethene	13	U	13	U	10	U	10	U		
Methyl tert-Butyl Ether	13	U	13	U	10	U	10	U		
1,1-Dichloroethane	13	U	13	U	10	U	10	U		
cis-1,2-Dichloroethene	13	U	13	U	10	U	10	U		
2-Butanone	13	U	13	U	10	U	10	U		
Chloroform	13	U	13	U	10	U	10	U		
1,1,1-Trichloroethane	13	U	13	U	10	U	10	U		
Cyclohexane	13	U	13	U	10	U	10	U		
Carbon Tetrachloride	13	U	13	U	10	U	10	U		
Benzene	13	U	13	U	10	U	10	U		
1,2-Dichloroethane	13	U	13	U	10	U	10	U		
Trichloroethene	13	U	13	U	10	U	10	U		
Methylcyclohexane	13	U	13	U	10	U	10	U		
1,2-Dichloropropane	13	U	13	U	10	U	10	U		
Bromodichloromethane	13	U	13	U	10	U	10	U		
cis-1,3-Dichloropropene	13	U	13	U	10	U	10	U		
4-Methyl-2-pentanone	13	UJ	13	UJ	10	UJ	10	UJ		
Toluene	13	U	13	U	3	J	0.9	J		
trans-1,3-Dichloropropene	13	U	13	U	10	U	10	U		
1,1,2-Trichloroethane	13	U	13	U	10	U	10	U		
Tetrachloroethene	13	U	13	U	10	U	10	U		
2-Hexanone	13	U	13	U	10	U	10	U		
Dibromochloromethane	13	U	13	U	10	U	10	U		
1,2-Dibromoethane	13	U	13	U	10	U	10	U		
Chlorobenzene	13	U	13	U	10	U	10	U		
Ethylbenzene	13	U	13	U	0.8	J	10	U		
Xylenes (total)	13	U	13	U	5	J	10	U		
Styrene	13	U	13	U	2	J	10	U		
Bromoform	13	U	13	U	10	U	10	U		
Isopropylbenzene	13	U	13	U	2	J	10	U		
1,1,2,2-Tetrachloroethane	13	U	13	U	10	U	10	U		
1,3-Dichlorobenzene	13	U	13	U	3	J	10	U		
1,4-Dichlorobenzene	13	U	13	U	4	J	10	U		
1,2-Dichlorobenzene	13	U	13	U	4	J	10	U		
1,2-Dibromo-3-chloropropane	13	U	13	U	10	U	10	U		
1,2,4-Trichlorobenzene	13	U	13	U	3	J	10	U		

Analytical Results (Qualified Data)

Sample Number :	ME0578		ME0579		ME0580		ME0581		ME0582	
Sampling Location :	SO-01		SO-02		SO-03		SO-04		SO-05	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	01/07/2003		01/07/2003		01/07/2003		01/07/2003		01/07/2003	
Time Sampled :	13:40		13:45		14:00		14:35		15:15	
%Solids :	77.2		72.7		80.0		78.6		78.7	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	7700		6050		5340		10900		6050	
ANTIMONY	11.0	J	4.6	J	4.4	J	46.1	J	2.9	J
ARSENIC	22.0	J	25.7	J	16.1	J	16.4	J	13.2	J
BARIUM	217		226		208		628		477	
BERYLLIUM	0.89		1.3		0.94		0.62		0.71	
CADMIUM	8.6		8.6		7.2		12.9		5.9	
CALCIUM	6320	J	6330	J	9100	J	4990	J	13700	J
CHROMIUM	38.0		47.9		32.1		32.9		32.8	
COBALT	10.2		13.9		8.1		10.0		7.1	
COPPER	305		266		220		410		167	
IRON	93800		120000		74300		60500		52900	
LEAD	1860	J	656	J	666	J	6260	J	668	J
MAGNESIUM	2210	J	2190	J	1850	J	2680	J	2640	J
MANGANESE	769		942		650		1030		585	
MERCURY	0.22		0.17		0.15		0.10		0.18	
NICKEL	82.3	J	76.9	J	59.3	J	98.5	J	74.3	J
POTASSIUM	676	J	689	J	609	J	526	J	581	J
SELENIUM	1.2	U	1.4	J	1.2	J	1.2	U	1.2	U
SILVER	2.7		2.6		2.7		2.3		2.9	
SODIUM	162		173		177		280		236	
THALLIUM	4.7		4.5		4.2		3.5		1.5	
VANADIUM	15.2		22.5		15.7		15.4		15.8	
ZINC	1330		1170		1260		2780	J	1230	
CYANIDE										

Analytical Results (Qualified Data)

Sample Number :	ME0583		ME0584		ME0585		ME0586		ME0587	
Sampling Location :	SO-06		SO-07		SO-08		SO-09		SO-10	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	01/07/2003		01/07/2003		01/07/2003		01/07/2003		01/07/2003	
Time Sampled :	15:45		16:20		16:00		16:30		17:00	
%Solids :	79.3		78.7		77.0		79.0		71.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	5370		5270		8470		8310		6020	
ANTIMONY	5.0	J	1.8	J	1.8	J	69.5	J	3.7	J
ARSENIC	15.5	J	19.9	J	7.2	J	22.4	J	19.2	J
BARIUM	241		226		179		1290		295	
BERYLLIUM	0.62		3.1		0.71		1.6		0.80	
CADMIUM	4.6		5.7		2.0		21.5		9.2	
CALCIUM	14200	J	28300	J	1300	J	2430	J	2000	J
CHROMIUM	26.2		28.2		11.0		31.9		35.4	
COBALT	6.8		7.7		7.2		9.7		9.6	
COPPER	242		172		105		633		170	
IRON	45200		41600		15000		52900		88700	
LEAD	684	J	531	J	127	J	1290	J	601	J
MAGNESIUM	5500	J	903	J	1290	J	1280	J	1040	J
MANGANESE	497		354		876		909		722	
MERCURY	0.18		0.080		0.070	U	0.22		0.090	
NICKEL	45.2	J	49.7	J	19.6	J	132	J	115	J
POTASSIUM	559	J	555	J	582	J	518	J	440	J
SELENIUM	1.2	U	1.2	U	1.2	U	1.4	J	1.4	U
SILVER	4.5		0.80		0.47		2.2		2.1	
SODIUM	299		265		268		138		229	
THALLIUM	1.2	U	2.1		1.2	U	2.4		4.3	
VANADIUM	15.1		25.1		14.8		18.5		15.2	
ZINC	929		561		243		3120	J	1050	
CYANIDE										

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

Analytical Results (Qualified Data)

Sample Number :	ME0578D		ME0578S							
Sampling Location :	SO-01		SO-01							
Matrix :	Soil		Soil							
Units :	mg/Kg		mg/Kg							
Date Sampled :	01/07/2003		01/07/2003							
Time Sampled :	13:40		13:40							
%Solids :	75.4		77.2							
Dilution Factor :	1.0		1.0							
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	7270									
ANTIMONY	5.7	J	71.7							
ARSENIC	17.4	J	28.9							
BARIUM	270		725							
BERYLLIUM	0.82		12.8							
CADMIUM	6.7		19.8							
CALCIUM	12200									
CHROMIUM	32.4		89.4							
COBALT	8.5		132							
COPPER	269		366							
IRON	67600									
LEAD	1090		995	J						
MAGNESIUM	1780	J								
MANGANESE	618		832							
MERCURY	0.21		0.86							
NICKEL	69.9	J	246							
POTASSIUM	566	J								
SELENIUM	1.2	U	3.3							
SILVER	1.6		14.3							
SODIUM	188									
THALLIUM	1.7		14.5							
VANADIUM	13.2		138							
ZINC	1220		1580							
CYANIDE										

DISCLAIMER: This package has been electronically assessed as an added service to our customer. It has not been either validated or approved by Region 5 and any subsequent use by the data user is strictly at the risk of the data user. Region 5 assumes no responsibility for use of unvalidated data.

Analytical Results (Qualified Data)

Sample Number :	E0555		E0555MS		E0555MSD		E0556		E0557	
Sampling Location :	MW-1		MW-1		MW-1		MW-2		MW-5	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	01/07/2003		01/07/2003		01/07/2003		01/07/2003		01/07/2003	
Time Sampled :	11:00		11:00		11:00		12:10		12:20	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	10	U	10	U	10	U	10	U	10	U
Chloromethane	10	U	10	U	10	U	10	U	10	UJ
Vinyl Chloride	10	U	10	U	10	U	10	U	10	U
Bromomethane	10	U	10	U	10	U	10	U	10	U
Chloroethane	10	U	10	U	10	U	10	U	10	U
Trichlorofluoromethane	10	U	10	U	10	U	10	U	10	U
1,1-Dichloroethene	10	U	38		40		10	U	10	U
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	U	10	U	10	U	10	U
Acetone	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Carbon Disulfide	10	U	10	U	10	U	10	U	10	U
Methyl Acetate	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Methylene Chloride	10	U	10	U	10	U	10	U	10	U
trans-1,2-Dichloroethene	10	U	10	U	10	U	10	U	10	U
Methyl tert-Butyl Ether	10	U	10	U	10	U	0.6	J	10	U
1,1-Dichloroethane	10	U	10	U	10	U	10	U	10	U
cis-1,2-Dichloroethene	10	U	10	U	10	U	10	U	10	U
2-Butanone	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Chloroform	10	U	10	U	10	U	10	U	10	U
1,1,1-Trichloroethane	10	U	10	U	10	U	10	U	10	U
Cyclohexane	10	U	10	U	10	U	10	U	10	U
Carbon Tetrachloride	10	U	10	U	10	U	10	U	10	U
Benzene	10	U	47		47		10	U	10	U
1,2-Dichloroethane	10	U	10	U	10	U	10	U	10	U
Trichloroethene	10	U	53		53		10	U	10	U
Methylcyclohexane	10	U	10	U	10	U	10	U	10	U
1,2-Dichloropropane	10	U	10	U	10	U	10	U	10	U
Bromodichloromethane	10	U	10	U	10	U	10	U	10	U
cis-1,3-Dichloropropene	10	U	10	U	10	U	10	U	10	U
4-Methyl-2-pentanone	10	UJ	50	J	48	J	10	UJ	10	UJ
Toluene	10	U	10	U	10	U	10	U	10	U
trans-1,3-Dichloropropene	10	U	10	U	10	U	10	U	10	U
1,1,2-Trichloroethane	10	U	10	U	10	U	10	U	10	U
Tetrachloroethene	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
2-Hexanone	10	U	10	U	10	U	10	U	10	U
Dibromochloromethane	10	U	10	U	10	U	10	U	10	U
1,2-Dibromoethane	10	U	49		48		1	J	10	U
Chlorobenzene	10	U	10	U	10	U	10	U	10	U
Ethylbenzene	10	U	10	U	10	U	10	U	10	U
Xylenes (total)	10	UJ	10	U	10	U	10	U	10	U
Styrene	10	U	10	U	10	U	10	U	10	U
Bromoform	10	U	10	U	10	U	10	U	10	U
Isopropylbenzene	10	U	10	U	10	U	10	U	10	U
1,1,2,2-Tetrachloroethane	10	U	10	U	10	U	10	U	10	U
1,3-Dichlorobenzene	10	UJ	10	UJ	10	U	10	U	10	U
1,4-Dichlorobenzene	10	UJ	10	U	10	U	10	U	10	U
1,2-Dichlorobenzene	10	U	10	U	10	U	10	U	10	U
1,2-Dibromo-3-chloropropane	10	U	10	U	10	U	10	U	10	U
1,2,4-Trichlorobenzene										

Analytical Results (Qualified Data)

Sample Number :	E0588		E0589		E0590		E0591		E0592	
Sampling Location :	GW-1		GW-2		GW-3		GW-4		GW-5	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	01/06/2003		01/06/2003		01/06/2003		01/06/2003		01/06/2003	
Time Sampled :	12:25		12:25		16:15		17:05		17:40	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	10	U	10	U	10	U	10	U	10	U
Chloromethane	10	U	10	U	10	U	10	U	10	U
Vinyl Chloride	10	U	10	U	10	U	10	U	10	U
Bromomethane	10	U	10	U	10	U	10	U	10	U
Chloroethane	10	U	10	U	10	U	10	U	10	U
Trichlorofluoromethane	10	U	10	U	10	U	10	U	10	U
1,1-Dichloroethene	10	U	10	U	10	U	10	U	10	U
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	U	10	U	10	U	10	U
Acetone	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Carbon Disulfide	10	U	10	U	10	U	10	U	10	U
Methyl Acetate	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Methylene Chloride	10	U	10	U	10	U	10	U	10	U
trans-1,2-Dichloroethene	10	U	10	U	10	U	10	U	10	U
Methyl tert-Butyl Ether	4	J	10	U	10	U	10	U	10	U
1,1-Dichloroethane	3	J	10	U	10	U	10	U	10	U
cis-1,2-Dichloroethene	10	U	10	U	10	U	10	U	10	U
2-Butanone	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Chloroform	10	U	10	U	10	U	10	U	10	U
1,1,1-Trichloroethane	10	U	10	U	10	U	10	U	10	U
Cyclohexane	10	U	10	U	10	U	10	U	10	U
Carbon Tetrachloride	10	U	10	U	10	U	10	U	10	U
Benzene	10	U	10	U	10	U	10	U	10	U
1,2-Dichloroethane	10	U	10	U	10	U	10	U	10	U
Trichloroethene	10	U	10	U	10	U	10	U	10	U
Methylcyclohexane	10	U	10	U	10	U	10	U	10	U
1,2-Dichloropropane	10	U	10	U	10	U	10	U	10	U
Bromodichloromethane	10	U	10	U	10	U	10	U	10	U
cis-1,3-Dichloropropene	10	U	10	U	10	U	10	U	10	U
4-Methyl-2-pentanone	10	U	10	U	10	U	10	U	10	U
Toluene	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
trans-1,3-Dichloropropene	10	U	10	U	10	U	10	U	10	U
1,1,2-Trichloroethane	10	U	10	U	10	U	10	U	10	U
Tetrachloroethene	10	U	10	U	10	U	10	U	10	U
2-Hexanone	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Dibromochloromethane	10	U	10	U	10	U	10	U	10	U
1,2-Dibromoethane	10	U	10	U	10	U	10	U	10	U
Chlorobenzene	10	U	10	U	10	U	10	U	10	U
Ethylbenzene	10	U	10	U	10	U	10	U	10	U
Xylenes (total)	10	U	10	U	10	U	10	U	10	U
Styrene	10	U	10	U	10	U	10	U	10	U
Bromoform	10	U	10	U	10	U	10	U	10	U
Isopropylbenzene	10	U	10	U	10	U	10	U	10	U
1,1,2,2-Tetrachloroethane	10	U	10	U	10	U	10	U	10	U
1,3-Dichlorobenzene	10	U	10	U	10	U	10	U	10	U
1,4-Dichlorobenzene	10	UJ	10	U	10	U	10	U	10	U
1,2-Dichlorobenzene	10	UJ	10	U	10	U	10	U	10	U
1,2-Dibromo-3-chloropropane	10	U	10	U	10	U	10	U	10	U
1,2,4-Trichlorobenzene	10	U	10	U	10	U	10	U	10	U

Analytical Results (Qualified Data)

Sample Number :	E0593		E0598		E0599		E0600		E0601	
Sampling Location :	GW-6		GW-11		GW-12		GW-13		GW-14	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	01/07/2003		01/06/2003		01/07/2003		01/07/2003		01/07/2003	
Time Sampled :	10:45		13:00		11:40		08:55		14:10	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	10	U	10	U	10	U	10	U	10	U
Chloromethane	10	U	10	U	10	U	10	U	10	U
Vinyl Chloride	10	U	10	U	10	U	10	U	10	U
Bromomethane	10	U	10	U	10	U	10	U	10	U
Chloroethane	10	U	10	U	10	U	10	U	10	U
Trichlorofluoromethane	10	U	10	U	10	U	10	U	10	U
1,1-Dichloroethene	10	U	10	U	10	U	10	U	10	U
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	U	10	U	10	U	10	U
Acetone	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Carbon Disulfide	10	U	10	U	10	U	10	U	10	U
Methyl Acetate	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Methylene Chloride	10	U	10	U	10	U	0.3	J	10	U
trans-1,2-Dichloroethene	10	U	10	U	10	U	10	U	10	U
Methyl tert-Butyl Ether	10	U	10	U	10	U	10	U	10	U
1,1-Dichloroethane	10	U	10	U	10	U	10	U	10	U
cis-1,2-Dichloroethene	10	U	10	U	10	U	10	U	10	U
2-Butanone	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Chloroform	10	U	10	U	10	U	10	U	10	U
1,1,1-Trichloroethane	10	U	10	U	10	U	10	U	10	U
Cyclohexane	10	U	10	U	10	U	10	U	10	U
Carbon Tetrachloride	10	U	10	U	10	U	10	U	10	U
Benzene	0.3	J	10	U	10	U	10	U	10	U
1,2-Dichloroethane	10	U	10	U	10	U	12		10	U
Trichloroethene	10	U	10	U	10	U	10	U	0.8	J
Methylcyclohexane	10	U	10	U	10	U	10	U	10	U
1,2-Dichloropropane	10	U	10	U	10	U	10	U	10	U
Bromodichloromethane	10	U	10	U	10	U	10	U	10	U
cis-1,3-Dichloropropene	10	U	10	U	10	U	10	U	10	U
4-Methyl-2-pentanone	10	U	10	U	10	U	10	U	10	U
Toluene	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
trans-1,3-Dichloropropene	10	U	10	U	10	U	10	U	10	U
1,1,2-Trichloroethane	10	U	10	U	10	U	10	U	10	U
Tetrachloroethene	10	U	10	U	10	U	10	U	10	U
2-Hexanone	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Dibromochloromethane	10	U	10	U	10	U	10	U	10	U
1,2-Dibromoethane	10	U	10	U	10	U	10	U	10	U
Chlorobenzene	10	U	10	U	10	U	10	U	10	U
Ethylbenzene	10	U	10	U	10	U	10	U	10	U
Xylenes (total)	10	U	10	U	10	U	10	U	10	U
Styrene	10	U	10	U	10	U	10	U	10	U
Bromoform	10	U	10	U	10	U	10	U	10	U
Isopropylbenzene	10	U	10	U	10	U	10	U	10	U
1,1,2,2-Tetrachloroethane	10	U	10	U	10	U	10	U	10	U
1,3-Dichlorobenzene	10	U	10	U	10	U	10	U	10	U
1,4-Dichlorobenzene	10	U	10	U	10	U	10	U	10	U
1,2-Dichlorobenzene	10	U	10	U	10	U	10	U	10	U
1,2-Dibromo-3-chloropropane	10	U	10	U	10	U	10	U	10	U
1,2,4-Trichlorobenzene	10	U	10	U	10	U	10	U	10	U

Analytical Results (Qualified Data)

Sample Number :	E0602		E0603		E0604		E0609		E0610	
Sampling Location :	GW-15		GW-16		GW-17		TB-RAS		GW-18	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	01/07/2003		01/07/2003		01/07/2003		01/03/2003		01/07/2003	
Time Sampled :	14:25		14:40		15:05		12:30		15:35	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	10	U	10	U	10	U	10	U	10	U
Chloromethane	10	U	10	U	10	U	10	U	10	U
Vinyl Chloride	10	U	10	U	10	U	10	U	10	U
Bromomethane	10	U	10	U	10	U	10	U	10	U
Chloroethane	10	U	10	U	10	U	10	U	10	U
Trichlorofluoromethane	10	U	10	U	10	U	10	U	10	U
1,1-Dichloroethene	10	U	10	U	10	U	10	U	10	U
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	U	10	U	10	U	10	U
Acetone	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Carbon Disulfide	10	U	10	U	10	U	10	U	10	U
Methyl Acetate	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Methylene Chloride	10	U	10	U	10	U	10	U	10	U
trans-1,2-Dichloroethene	10	U	10	U	10	U	10	U	10	U
Methyl tert-Butyl Ether	10	U	10	U	10	U	10	U	10	U
1,1-Dichloroethane	10	U	10	U	10	U	10	U	10	U
cis-1,2-Dichloroethene	10	U	10	U	10	U	10	U	10	U
2-Butanone	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Chloroform	10	U	10	U	10	U	0.6	J	10	U
1,1,1-Trichloroethane	10	U	10	U	10	U	10	U	10	U
Cyclohexane	10	U	10	U	10	U	10	U	10	U
Carbon Tetrachloride	10	U	10	U	10	U	10	U	10	U
Benzene	10	U	10	U	10	U	10	U	10	U
1,2-Dichloroethane	10	U	10	U	10	U	10	U	10	U
Trichloroethene	0.7	J	1	J	10	U	10	U	10	U
Methylcyclohexane	10	U	10	U	10	U	10	U	10	U
1,2-Dichloropropane	10	U	10	U	10	U	10	U	10	U
Bromodichloromethane	10	U	10	U	10	U	10	U	10	U
cis-1,3-Dichloropropene	10	U	10	U	10	U	10	U	10	U
4-Methyl-2-pentanone	10	U	10	U	10	U	10	U	10	U
Toluene	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
trans-1,3-Dichloropropene	10	U	10	U	10	U	10	U	10	U
1,1,2-Trichloroethane	10	U	10	U	10	U	10	U	10	U
Tetrachloroethene	10	U	10	U	10	U	10	U	10	U
2-Hexanone	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ
Dibromochloromethane	10	U	10	U	10	U	10	U	10	U
1,2-Dibromoethane	10	U	10	U	10	U	10	U	10	U
Chlorobenzene	10	U	10	U	10	U	10	U	10	U
Ethylbenzene	10	U	10	U	10	U	10	U	10	U
Xylenes (total)	10	U	10	U	10	U	10	U	10	U
Styrene	10	U	10	U	10	U	10	U	10	U
Bromoform	10	U	10	U	10	U	10	U	10	U
Isopropylbenzene	10	U	10	U	10	U	10	U	10	U
1,1,2,2-Tetrachloroethane	10	U	10	U	10	U	10	U	10	U
1,3-Dichlorobenzene	10	U	10	U	10	U	10	U	10	U
1,4-Dichlorobenzene	10	U	10	U	10	U	10	U	10	U
1,2-Dichlorobenzene	10	U	10	U	10	U	10	U	10	U
1,2-Dibromo-3-chloropropane	10	U	10	U	10	U	10	U	10	U
1,2,4-Trichlorobenzene	10	U	10	U	10	U	10	U	10	U

Analytical Results (Qualified Data)

Sample Number :	VBLKPA		VHBLKPA							
Sampling Location :										
Matrix :	Water		Water							
Units :	ug/L		ug/L							
Date Sampled :										
Time Sampled :										
%Moisture :	N/A		N/A							
pH :										
Dilution Factor :	1.0		1.0							
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	10	U	10	U						
Chloromethane	0.5	J	10	U						
Vinyl Chloride	10	U	10	U						
Bromomethane	10	U	10	U						
Chloroethane	10	U	10	U						
Trichlorofluoromethane	10	U	10	U						
1,1-Dichloroethene	10	U	10	U						
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	U						
Acetone	2	J	10	UJ						
Carbon Disulfide	10	U	10	U						
Methyl Acetate	10	UJ	10	UJ						
Methylene Chloride	10	U	10	U						
trans-1,2-Dichloroethene	10	U	10	U						
Methyl tert-Butyl Ether	10	U	10	U						
1,1-Dichloroethane	10	U	10	U						
cis-1,2-Dichloroethene	10	U	10	U						
2-Butanone	10	UJ	10	UJ						
Chloroform	10	U	10	U						
1,1,1-Trichloroethane	10	U	10	U						
Cyclohexane	10	U	10	U						
Carbon Tetrachloride	10	U	10	U						
Benzene	10	U	10	U						
1,2-Dichloroethane	10	U	10	U						
Trichloroethene	10	U	10	U						
Methylcyclohexane	10	U	10	U						
1,2-Dichloropropane	10	U	10	U						
Bromodichloromethane	10	U	10	U						
cis-1,3-Dichloropropene	10	U	10	U						
4-Methyl-2-pentanone	10	U	10	U						
Toluene	0.5	J	0.4	J						
trans-1,3-Dichloropropene	10	U	10	U						
1,1,2-Trichloroethane	10	U	10	U						
Tetrachloroethene	10	U	10	U						
2-Hexanone	10	UJ	10	UJ						
Dibromochloromethane	10	U	10	U						
1,2-Dibromoethane	10	U	10	U						
Chlorobenzene	10	U	10	U						
Ethylbenzene	0.5	J	10	U						
Xylenes (total)	3	J	10	U						
Styrene	0.9	J	10	U						
Bromoform	10	U	10	U						
Isopropylbenzene	1	J	10	U						
1,1,2,2-Tetrachloroethane	10	U	10	U						
1,3-Dichlorobenzene	2	J	10	U						
1,4-Dichlorobenzene	2	J	10	U						
1,2-Dichlorobenzene	2	J	10	U						
1,2-Dibromo-3-chloropropane	10	U	10	U						
1,2,4-Trichlorobenzene	2	J	10	U						

Analytical Results (Qualified Data)

Sample Number :	ME0555		ME0556		ME0557		ME0555D		ME0555S	
Sampling Location :	MW-1		MW-2		MW-5		MW-1		MW-1	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	01/07/2003		01/07/2003		01/07/2003		01/07/2003		01/07/2003	
Time Sampled :	11:00		12:10		12:20		11:00		11:00	
%Solids :	0.0		0.0		0.0		0.0		0.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	97.9	J	70.1	J	63.2		106	J	2110	
ANTIMONY	2.3	U	2.3	U	2.3	U	2.3	U	485	
ARSENIC	4.8	U	4.8	U	4.8	U	4.8	U	40.2	
BARIUM	63.1		36.9		38.2		58.8		2070	
BERYLLIUM	0.10	U	0.10	U	0.10	U	0.10	U	47.7	
CADMIUM	0.30	U	0.30	U	0.30	U	0.30	U	48.4	
CALCIUM	158000		51700		53100		148000			
CHROMIUM	1.1	J	1.7	J	1.8	J	1.4	J	191	
COBALT	1.0	U	3.2		3.6		1.0	U	481	
COPPER	4.9		0.60	U	0.60	U	5.0		255	
IRON	365		20900		21300		338		1310	
LEAD	2.2	U	2.2	U	2.2	U	2.2	U	18.9	
MAGNESIUM	44700		13600		14000		41800			
MANGANESE	40.5		1100		1130		37.4		522	
MERCURY	0.10	U	0.10	U	0.10	U	0.10	U	0.81	
NICKEL	15.6		18.7		18.9		15.3		495	
POTASSIUM	12700	J	3950		4030		11900			
SELENIUM	4.8	U	4.8	U	4.8	U	4.8	U	8.9	
SILVER	0.60	U	0.60	U	0.60	U	0.60	U	48.7	
SODIUM	273000	J	41700	J	42900	J	254000			
THALLIUM	4.7	U	4.7	U	4.7	U	4.7	U	50.7	
VANADIUM	0.50	U	0.50	U	0.50	U	0.50	U	486	
ZINC	23.9		10.2		9.2		22.4		497	
CYANIDE										

Analytical Results (Qualified Data)

Sample Number :	E0558		E0558MS		E0558MSD		E0559		E0560	
Sampling Location :	RW-1		RW-1		RW-1		RW-2		RW-3	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	01/07/2003		01/07/2003		01/07/2003		01/07/2003		01/07/2003	
Time Sampled :	14:15		14:15		14:15		16:15		16:42	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloromethane	0.5	U	0.5	U	0.5	U	0.3	J	0.5	U
Vinyl Chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromomethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethene	0.5	U	6		6		0.5	U	0.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Acetone	5	R	5	R	5	R	5	R	5	R
Carbon Disulfide	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl Acetate	0.5	R	0.5	R	0.5	R	0.5	R	0.5	R
Methylene Chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,2-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
tert-Butyl Methyl Ether	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,2-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
2-Butanone	5	U	5	U	5	U	5	U	5	U
Bromochloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroform	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cyclohexane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Carbon Tetrachloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene	0.5	U	5		5		0.5	U	0.5	U
1,2-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethene	0.02	J	5		5		0.5	U	0.5	U
Methylcyclohexane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromodichloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
4-Methyl-2-pentanone	5	U	5	U	5	U	5	U	5	U
Toluene	0.5	UJ	5	VS	5	VS	0.5	UJ	0.5	UJ
trans-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethene	0.3	J	0.2	J	0.2	J	0.5	U	0.5	U
2-Hexanone	5	U	5	U	5	U	5	U	5	U
Dibromochloromethane	0.5	U	0.5	U	0.5	U	0.5	UJ	0.5	U
1,2-Dibromoethane	0.5	U	0.5	U	0.5	U	0.5	UJ	0.5	U
Chlorobenzene	0.5	U	4		5		0.5	U	0.5	U
Ethylbenzene	0.5	U	0.5	UJ	0.5	UJ	0.5	UJ	0.5	U
Xylenes (total)	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ
Styrene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	0.5	U	0.5	U	0.5	U	0.5	UJ	0.5	U
Isopropylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2,2-Tetrachloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,4-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dibromo-3-chloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,4-Trichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

Analytical Results (Qualified Data)

Sample Number :	E0561		E0562		E0563		E0564		E0565	
Sampling Location :	RW-4		RW-5		RW-6		RW-7		RW-8	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	01/06/2003		01/07/2003		01/07/2003		01/07/2003		01/06/2003	
Time Sampled :	13:25		11:30		11:30		11:45		17:40	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloromethane	0.3	J	0.5	U	0.5	U	0.3	J	0.5	U
Vinyl Chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromomethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Acetone	5	R	5	R	5	R	5	R	5	R
Carbon Disulfide	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl Acetate	0.5	R	0.5	R	0.5	R	0.5	R	0.5	R
Methylene Chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,2-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
tert-Butyl Methyl Ether	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,2-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
2-Butanone	5	U	5	U	5	U	5	U	5	U
Bromochloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroform	0.5	U	0.5	U	0.5	U	0.5	U	0.4	J
1,1,1-Trichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cyclohexane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Carbon Tetrachloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethene	0.2	J	0.5	U	0.5	U	0.5	U	0.5	U
Methylcyclohexane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromodichloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
4-Methyl-2-pentanone	5	U	5	U	5	U	5	U	5	U
Toluene	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ
trans-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.4	J
2-Hexanone	5	U	5	U	5	U	5	U	5	U
Dibromochloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dibromoethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Ethylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Xylenes (total)	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ
Styrene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Isopropylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2,2-Tetrachloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,4-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dibromo-3-chloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,4-Trichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

Analytical Results (Qualified Data)

Sample Number :	E0566		E0567		E0568		E0569		E0570	
Sampling Location :	RW-9		RW-10		RW-10D		RW-11		RW-12	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	01/07/2003		01/06/2003		01/06/2003		01/06/2003		01/06/2003	
Time Sampled :	15:35		13:00		13:00		16:45		17:10	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Vinyl Chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromomethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Acetone	5	R	5	R	5	R	5	R	5	R
Carbon Disulfide	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl Acetate	0.5	R	0.5	R	0.5	R	0.5	R	0.5	R
Methylene Chloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,2-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
tert-Butyl Methyl Ether	0.5	U	0.7		0.7		0.5	U	0.5	U
1,1-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,2-Dichloroethene	0.5	U	0.08	J	0.07	J	0.5	U	0.5	U
2-Butanone	5	U	5	U	5	U	5	U	5	U
Bromochloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroform	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cyclohexane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Carbon Tetrachloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethane	0.5	U	0.2	J	0.2	J	0.5	U	0.5	U
Trichloroethene	0.5	U	10		10		0.05	J	0.5	U
Methylcyclohexane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromodichloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
4-Methyl-2-pentanone	5	U	5	U	5	U	5	U	5	U
Toluene	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ
trans-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethene	0.03	J	0.5	U	0.5	U	0.04	J	0.5	U
2-Hexanone	5	U	5	U	5	U	5	U	5	U
Dibromochloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ
1,2-Dibromoethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ
Chlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Ethylbenzene	0.5	U	0.5	UJ	0.5	U	0.5	U	0.5	U
Xylenes (total)	0.5	U	0.5	UJ	0.5	U	0.5	UJ	0.5	U
Styrene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ
Isopropylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2,2-Tetrachloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,4-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dibromo-3-chloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,4-Trichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

Analytical Results (Qualified Data)

Sample Number :	E0571		E0572		E0573		E0574		E0575	
Sampling Location :	RW-13		RW-14		RW-15		RW-16		RW-17	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	01/07/2003		01/06/2003		01/07/2003		01/07/2003		01/07/2003	
Time Sampled :	14:55		12:51		16:30		16:45		17:00	
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Vinyl Chloride	0.5	UJ	0.5	U	0.5	U	0.5	U	0.5	U
Bromomethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Acetone	5	R	5	R	5	R	5	R	5	R
Carbon Disulfide	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl Acetate	0.5	R	0.5	R	0.5	R	0.5	R	0.5	R
Methylene Chloride	0.5	UJ	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,2-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
tert-Butyl Methyl Ether	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,2-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
2-Butanone	5	U	5	U	5	U	5	U	5	U
Bromochloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroform	0.2	J	0.5	U	0.5	U	0.5	U	0.1	J
1,1,1-Trichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cyclohexane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Carbon Tetrachloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethene	0.5	U	0.9		0.5	U	0.5	U	0.5	U
Methylcyclohexane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromodichloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
4-Methyl-2-pentanone	5	U	5	U	5	U	5	U	5	U
Toluene	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ
trans-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethene	0.5	UJ	0.5	U	0.5	U	0.06	J	0.5	U
2-Hexanone	5	U	5	U	5	U	5	U	5	U
Dibromochloromethane	0.5	U	0.5	UJ	0.5	U	0.5	U	0.5	U
1,2-Dibromoethane	0.5	U	0.5	UJ	0.5	U	0.5	U	0.5	U
Chlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Ethylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Xylenes (total)	0.5	UJ	0.5	UJ	0.5	UJ	0.5	U	0.5	UJ
Styrene	0.02	J	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	0.5	U	0.5	UJ	0.5	U	0.5	U	0.5	U
Isopropylbenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2,2-Tetrachloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3-Dichlorobenzene	0.5	UJ	0.5	U	0.5	UJ	0.5	U	0.5	U
1,4-Dichlorobenzene	0.5	U	0.5	U	0.3	J	0.5	U	0.5	U
1,2-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dibromo-3-chloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,4-Trichlorobenzene	0.5	UJ	0.5	U	0.5	U	0.5	U	0.5	U
1,2,3-Trichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

Analytical Results (Qualified Data)

Sample Number :	E0577		VBLK10		VBLK13		VBLK15		VHBLK07	
Sampling Location :	TB-SAS									
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	01/03/2003									
Time Sampled :	12:00									
%Moisture :	N/A		N/A		N/A		N/A		N/A	
pH :										
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Volatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Dichlorodifluoromethane	0.5	U	0.5	U	0.5	U	0.5	UJ	0.5	UJ
Chloromethane	0.5	U	0.5	U	0.5	U	0.3	J	0.5	U
Vinyl Chloride	0.5	U	0.5	U	0.5	UJ	0.5	U	0.5	U
Bromomethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	0.2	J	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Acetone	5	R	5	R	5	R	5	R	5	R
Carbon Disulfide	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methyl Acetate	0.5	R	0.5	R	0.5	R	0.5	R	0.5	R
Methylene Chloride	0.5	U	0.5	U	0.5	UJ	0.1	J	0.1	J
trans-1,2-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
tert-Butyl Methyl Ether	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,2-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
2-Butanone	5	U	5	U	5	U	5	U	5	U
Bromochloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloroform	0.4	J	0.5	U	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cyclohexane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Carbon Tetrachloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Benzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Methylcyclohexane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromodichloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
cis-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
4-Methyl-2-pentanone	5	U	5	U	5	U	5	U	5	U
Toluene	0.5	UJ	0.03	J	0.03	J	0.5	U	0.5	U
trans-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethene	0.5	U	0.5	U	0.07	J	0.5	U	0.5	U
2-Hexanone	5	U	5	U	5	U	5	U	5	U
Dibromochloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dibromoethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Ethylbenzene	0.5	UJ	0.03	J	0.04	J	0.5	U	0.5	U
Xylenes (total)	0.5	UJ	0.1	J	0.2	J	0.5	U	0.5	U
Styrene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Isopropylbenzene	0.5	U	0.05	J	0.04	J	0.5	U	0.5	U
1,1,2,2-Tetrachloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,3-Dichlorobenzene	0.5	U	0.1	J	0.1	J	0.5	U	0.5	U
1,4-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichlorobenzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dibromo-3-chloropropane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2,4-Trichlorobenzene	0.5	U	0.4	J	0.4	J	0.5	U	0.5	U
1,2,3-Trichlorobenzene	0.5	U	0.3	J	0.4	J	0.5	U	0.5	U

Analytical Results (Qualified Data)

Sample Number :	RW1		RW2		RW3		RW4		RW5	
Sampling Location :	NON-		NON-		NON-		NON-		NON-	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	1/7/2003		1/7/2003		1/6/2003		1/6/2003		1/7/2003	
Time Sampled :	1415		1615		1642		1325		1130	
Analyte	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aluminum	49.4		101		36.5	J	76.8		64.6	
Antimony	U		U		U		U		U	
Arsenic	U		U		U		U		U	
Barium	78.7		97.6		47.9		47.1		75.3	
Beryllium	U		U		U		U		U	
Cadmium	U		0.2	J	U		U		U	
Calcium	68800		123000		51100		40400		89000	
Chromium	U		U		U		U		U	
Cobalt	U		4.4		U		2.8	J	U	
Copper	55.2		180		14.3	L	99.7		51.9	
Iron	253		14000	K	7080	K	10500	K	46.4	
Lead	5.7		26.8		1.1	J	30.3		1.9	J
Magnesium	16500		35300		11400		11000		23000	
Manganese	7.9	J	1550		153		642		6	J
Mercury	U		U		U		U		U	
Nickel	4.2		44.3		3.9		25.2		7.2	
Potassium	3680	K	5150	K	2800	K	4260	K	6470	K
Selenium	U		U		U		U		U	
Silver	U		U		U		U		U	
Sodium	92600	K	176000	K	5900	K	44000	K	252000	K
Thallium	U		U		U		U		U	
Vanadium	U		U		U		U		U	
Zinc	67.5		182		2600		170		15.4	J
Cyanide										

Analytical Results (Qualified Data)

Sample Number :	RW6		RW7		RW8		RW9		RW10	
Sampling Location :	NON-		NON-		NON-		NON-		NON-	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	1/7/2003		1/7/2003		1/6/2003		1/7/2003		1/6/2003	
Time Sampled :	1140		1145		1740		1535		1300	
Analyte	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aluminum	60.3		64		31.5	J	99.5		611	
Antimony	U		U		U		U		U	
Arsenic	U		U		U		U		4.4	
Barium	74.4		66.2		58.5		71.1		61.3	
Beryllium	U		U		U		U		U	
Cadmium	U		U		U		0.2	J	1.5	
Calcium	89300		96200		49400		135000		64300	
Chromium	U		U		U		U		1.9	
Cobalt	U		U		U		U		29.2	
Copper	49.6		88.9		96.4		100		243	
Iron	31.8	J	32.9	J	234		U		33000	K
Lead	2		U		U		1.5	J	34.9	
Magnesium	23000		25500		13100		20800		18800	
Manganese	6.5	J	53.9		99.8		6.3	J	1390	
Mercury	U		U		U		U		0.1	J
Nickel	6.3		5.5		3.8		2.5	J	221	
Potassium	6600	K	6320	K	5410	K	5150	K	4540	K
Selenium	U		U		U		U		U	
Silver	U		U		U		U		U	
Sodium	249000	K	235000	K	58200	K	10100	K	46900	K
Thallium	U		U		U		U		U	
Vanadium	U		U		U		U		U	
Zinc	19.6	J	11.5	J	U		18.5	J	304	
Cyanide										

Analytical Results (Qualified Data)

Sample Number :	RW11		RW12		RW13		RW14		RW15	
Sampling Location :	NON-		NON-		NON-		NON-		NON-	
Matrix :	Water		Water		Water		Water		Water	
Units :	ug/L		ug/L		ug/L		ug/L		ug/L	
Date Sampled :	1/6/2003		1/6/2003		1/7/2003		1/6/2003		1/7/2003	
Time Sampled :	1645		1710		1455		1251		1630	
Analyte	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aluminum	25.9	J	61.4		54.3		26.6	J	74.3	
Antimony	U		U		U		U		U	
Arsenic	U		U		U		U		4.4	
Barium	43		61.9		88		32.6		72.9	
Beryllium	U		U		U		U		U	
Cadmium	U		U		U		U		1.5	
Calcium	38600		94800		78700		40000		104000	
Chromium	U		U		U		U		1.2	
Cobalt	U		U		U		U		U	
Copper	46.8		13.3	L	79.9		53.3		376	
Iron	273		1360		22.6	J	152		109	
Lead	3.4		1.2	J	1.6	J	U		1.9	J
Magnesium	11000		22800		19500		10300		24200	
Manganese	7.2	J	167		3.5	J	272		U	
Mercury	U		U		U		U		U	
Nickel	3.9		2.4	J	2.8		5.7		11.4	
Potassium	4020	K	2760	K	4140	K	2750	K	10600	
Selenium	U		U		U		U		U	
Silver	U		U		U		U		U	
Sodium	47300	K	27600	K	113000	K	84300	K	472000	K
Thallium	U		U		U		U		U	
Vanadium	U		U		U		U		U	
Zinc	18.7	J	16.4	J	38.9		26.8	J	51.6	
Cyanide										

Analytical Results (Qualified Data)

Sample Number :	RW16		RW17							
Sampling Location :	NON-		NON-							
Matrix :	Water		Water							
Units :	ug/L		ug/L							
Date Sampled :	1/7/2003		1/7/2003							
Time Sampled :	1645		1700							
Analyte	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aluminum	49.7		43.4	J						
Antimony	U		U							
Arsenic	U		U							
Barium	62.1		54.3							
Beryllium	U		U							
Cadmium	U		U							
Calcium	75700		51100							
Chromium	U		U							
Cobalt	U		U							
Copper	353		249							
Iron	43.3		U							
Lead	22.5		U							
Magnesium	19000		12700							
Manganese	U		U							
Mercury	U		U							
Nickel	4.3		4.5							
Potassium	4330	K	4510	K						
Selenium	U		U							
Silver	U		U							
Sodium	141000	K	87500	K						
Thallium	U		U							
Vanadium	U		U							
Zinc	81.4		U							
Cyanide										

Appendix B

Well Logs

Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 397404

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON-[redacted] **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-[redacted]
City: **State:** *OH* **Zip Code:**
Location Number: *406* **Location Map Year:** *1975* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *45 ft.* **Depth to Bedrock:**
Casing Diameter: *5 in.* **Casing Thickness:** **Casing Length:** *42 ft.*
Well Use: **Screen Length:** **Date of Completion:** *7/25/69*
Aquifer Type: *SANDSTONE* **Driller's Name:** *FOWLER DRILLING INC.*

WELL TEST DETAILS

Static Water Level: *13 ft.* **Test Rate:** *25 gpm* **Associated Reports**
Drawdown: *2 ft.* **Test Duration:** *2 hrs.* NONE

COMMENTS:

nonresponsive

WELL LOG

Formations	From	To
GRAVEL & CLAY	0	- 10
SANDSTONE	10	- 45

Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 366317

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON-RESPONSIVE **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-
City: **State:** *OH* **Zip Code:**
Location Number: *262* **Location Map Year:** *1990* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *32 ft.* **Depth to Bedrock:**
Casing Diameter: *5 in.* **Casing Thickness:** **Casing Length:** *32 ft.*
Well Use: **Screen Length:** **Date of Completion:** *9/1/67*
Aquifer Type: *SANDSTONE* **Driller's Name:** *FOWLER H W*

WELL TEST DETAILS

Static Water Level: *8 ft.* **Test Rate:** *35 gpm*
Drawdown: *8 ft.* **Test Duration:** *2 hrs.*

Associated Reports
NONE

COMMENTS:

nonresponsive

WELL LOG

Formations	From	To
SAND	0	8
SANDSTONE	8	32

(2)

Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 498786

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON-RESPONSI **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-
City: **State:** *OH* **Zip Code:**
Location Number: *263* **Location Map Year:** *1990* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *45 ft.* **Depth to Bedrock:**
Casing Diameter: *5 in.* **Casing Thickness:** **Casing Length:** *30 ft.*
Well Use: **Screen Length:** **Date of Completion:** *3/27/77*
Aquifer Type: *SANDSTONE* **Driller's Name:** *COVENTRY WELL & PUMP SERVICE*

WELL TEST DETAILS

Static Water Level: *12 ft.* **Test Rate:** *20 gpm*
Drawdown: *0 ft.* **Test Duration:** *3 hrs.*

Associated Reports
NONE

COMMENTS:

nonresponsive

WELL LOG

Formations	From	To
CLAY	0	8
SANDSTONE	8	45

(3)

Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 355776

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON-[redacted] **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-[redacted]
City: **State:** *OH* **Zip Code:**
Location Number: *407* **Location Map Year:** *1975* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *35 ft.* **Depth to Bedrock:**
Casing Diameter: *5 in.* **Casing Thickness:** **Casing Length:** *35 ft.*
Well Use: **Screen Length:** **Date of Completion:** *2/13/67*
Aquifer Type: *SANDSTONE* **Driller's Name:** *FOWLER DRILLING INC.*

WELL TEST DETAILS

Static Water Level: *8 ft.* **Test Rate:** *16 gpm* **Associated Reports**
Drawdown: *4 ft.* **Test Duration:** *2 hrs.* NONE

COMMENTS:

WELL LOG

Formations	From	To
SAND	0	- 25
BROKEN SANDSTONE	25	- 33
SANDSTONE	33	- 35

nonresponsive

A

Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number:
9977202

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON-RESPO **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-
City: **State:** *OH* **Zip Code:**
Location Number: *503* **Location Map Year:** *1975* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *20 ft.* **Depth to Bedrock:**
Casing Diameter: *4 in.* **Casing Thickness:** **Casing Length:** *12 ft.*
Well Use: **Screen Length:** **Date of Completion:** *9/8/58*
Aquifer Type: *SANDSTONE* **Driller's Name:** *WRIGHT,MERLE WELL DRILLING*

WELL TEST DETAILS

Static Water Level: *22 ft.* **Test Rate:** *8 gpm* **Associated Reports**
Drawdown: *16 ft.* **Test Duration:** *1 hrs.* NONE

COMMENTS:

WELL LOG

Formations	From	To
SAND & CLAY	0	- 11
SANDSTONE	11	- 20

nonresponsive

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Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 175031

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON-[redacted]
Lot Number:
County: *SUMMIT*
Township: *COVENTRY* **Section Number:**
Address: NON-[redacted]
City:
State: *OH* **Zip Code:**
Location Number: *504*
Location Map Year: *1975* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter:
Total Depth: *26 ft.* **Depth to Bedrock:**
Casing Diameter: *6 in.*
Casing Thickness: **Casing Length:** *20 ft.*
Well Use:
Screen Length: **Date of Completion:** *2/27/56*
Aquifer Type: *SANDSTONE*
Driller's Name: *PUGH WELL DRILLING*

WELL TEST DETAILS

Static Water Level: *7 ft.*
Test Rate: *20 gpm*
Drawdown: *0 ft.*
Test Duration: *0.5 hrs.*

Associated Reports
NONE

COMMENTS:

nonresponsive

WELL LOG

Formations	From	To
SAND & CLAY	0	- 20
SANDSTONE	20	- 26
WATER AT	26	- 26

Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 925523

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON-[redacted] **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-[redacted]
City: *AKRON* **State:** *OH* **Zip Code:** *44319*
Location Number: **Location Map Year:** **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: *6 in.* **Total Depth:** *60 ft.* **Depth to Bedrock:**
Casing Diameter: *5 in.* **Casing Thickness:** *0.275 in.* **Casing Length:** *45 ft.*
Well Use: *DOMESTIC* **Screen Length:** **Date of Completion:** *1/10/02*
Aquifer Type: *SHALE* **Driller's Name:** *COOPER WATER WELL DRILLING*

WELL TEST DETAILS

Static Water Level: *7 ft.* **Test Rate:** *20 gpm*
Drawdown: *15 ft.* **Test Duration:** *1 hrs.*

Associated Reports
NONE

COMMENTS:

WELL LOG

Formations	From	To
CLAY/SAND/GRAVEL	0	- 5
SAND & GRAVEL	5	- 28
SHALE	28	- 40
SANDSTONE	40	- 44
SHALE	44	- 60

nonresponsive [redacted]

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Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 707551

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON- **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-
City: RESPON **State:** *OH* **Zip Code:**
Location Number: **Location Map Year:** **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *39 ft.* **Depth to Bedrock:**
Casing Diameter: *5 in.* **Casing Thickness:** **Casing Length:** *35 ft.*
Well Use: *DOMESTIC* **Screen Length:** **Date of Completion:** *6/5/90*
Aquifer Type: *SAND* **Driller's Name:** *FOWLER DRILLING INC.*

WELL TEST DETAILS

Static Water Level: *6 ft.* **Test Rate:** *15 gpm* **Associated Reports**
Drawdown: *20 ft.* **Test Duration:** *1 hrs.* NONE

COMMENTS:

nonresponsive

WELL LOG

Formations	From	To
BRN SAND	0	- 39

Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 242144

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON-RESPONS **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-
City: **State:** *OH* **Zip Code:**
Location Number: *261* **Location Map Year:** *1990* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *44 ft.* **Depth to Bedrock:**
Casing Diameter: *4 in.* **Casing Thickness:** **Casing Length:** *43 ft.*
Well Use: **Screen Length:** **Date of Completion:** *8/1/60*
Aquifer Type: *SANDSTONE* **Driller's Name:** *FOWLER DRILLING INC.*

WELL TEST DETAILS

Static Water Level: *6 ft.* **Test Rate:** *75 gpm*
Drawdown: *4 ft.* **Test Duration:** *3 hrs.*

Associated Reports
NONE

COMMENTS:

WELL LOG

Formations	From	To
SAND	0	- 15
SANDSTONE	15	- 44

nonresponsive

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Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 351312

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON-RESPO **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-RESPONSIVE
City: **State:** *OH* **Zip Code:**
Location Number: *403* **Location Map Year:** *1975* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *19 ft.* **Depth to Bedrock:**
Casing Diameter: *5 in.* **Casing Thickness:** **Casing Length:** *21 ft.*
Well Use: **Screen Length:** **Date of Completion:** *6/27/66*
Aquifer Type: *SANDSTONE* **Driller's Name:** *PUGH WELL & PUMP, INC.*

WELL TEST DETAILS

Static Water Level: *4 ft.* **Test Rate:** *20 gpm*
Drawdown: *6 ft.* **Test Duration:** *1 hrs.*

Associated Reports
NONE

COMMENTS:

nonresponsive

WELL LOG

Formations	From	To
DRY SAND & GRAVEL	0	- 15
BROKEN SANDSTONE	15	- 19

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Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 695662

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON-RESPONSI **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-
City: **State:** *OH* **Zip Code:**
Location Number: *266* **Location Map Year:** *1990* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *38 ft.* **Depth to Bedrock:**
Casing Diameter: *5 in.* **Casing Thickness:** **Casing Length:** *40 ft.*
Well Use: **Screen Length:** **Date of Completion:** *5/6/89*
Aquifer Type: *SANDSTONE* **Driller's Name:** *PUGH WELL & PUMP, INC.*

WELL TEST DETAILS

Static Water Level: *9 ft.* **Test Rate:** *20 gpm*
Drawdown: *5 ft.* **Test Duration:** *1 hrs.*

Associated Reports
NONE

COMMENTS:

WELL LOG

Formations	From	To
SAND	0	- 22
SANDSTONE	22	- 38

nonresponsive

Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 563002

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON-RESPON **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-RESPONSIV
City: **State:** *OH* **Zip Code:**
Location Number: *265* **Location Map Year:** *1990* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *53 ft.* **Depth to Bedrock:**
Casing Diameter: *5 in.* **Casing Thickness:** **Casing Length:** *32 ft.*
Well Use: **Screen Length:** **Date of Completion:** *8/15/79*
Aquifer Type: *SANDSTONE* **Driller's Name:** *PUGH WELL & PUMP, INC.*

WELL TEST DETAILS

Static Water Level: *28 ft.* **Test Rate:** *20 gpm*
Drawdown: *0 ft.* **Test Duration:** *1 hrs.*

Associated Reports
NONE

COMMENTS:

nonresponsive

WELL LOG

Formations	From	To
SAND & GRAVEL	0	- 26
SANDSTONE	26	- 53

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Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 524904

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON- **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-RESPONSIVE
City: **State:** *OH* **Zip Code:**
Location Number: *264* **Location Map Year:** *1990* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *45 ft.* **Depth to Bedrock:**
Casing Diameter: *5 in.* **Casing Thickness:** **Casing Length:** *33 ft.*
Well Use: **Screen Length:** **Date of Completion:** *10/4/77*
Aquifer Type: *SANDSTONE* **Driller's Name:** *FOWLER DRILLING INC.*

WELL TEST DETAILS

Static Water Level: *27 ft.* **Test Rate:** *20 gpm*
Drawdown: *0 ft.* **Test Duration:** *2 hrs.*

Associated Reports
NONE

COMMENTS:

nonresponsive

WELL LOG

Formations	From	To
GRAVEL & CLAY	0	- 18
SANDSTONE	18	- 45

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Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 645847

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON-RESPONSIVE **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-RESPONSIV
City: **State:** *OH* **Zip Code:**
Location Number: **Location Map Year:** **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *51 ft.* **Depth to Bedrock:**
Casing Diameter: *5 in.* **Casing Thickness:** **Casing Length:** *36 ft.*
Well Use: **Screen Length:** **Date of Completion:** *6/27/84*
Aquifer Type: *SANDSTONE* **Driller's Name:** *COOPER WATER WELL DRILLING*

WELL TEST DETAILS

Static Water Level: *32 ft.* **Test Rate:** *15 gpm*
Drawdown: *9 ft.* **Test Duration:** *1 hrs.*

Associated Reports
NONE

COMMENTS:

nonresponsive

WELL LOG

Formations	From	To
GRAVEL & CLAY	0	- 30
SANDSTONE	30	- 51

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Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 336203

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON-RESPONSI *LONG* **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-RESPONSIVE
City: **State:** *OH* **Zip Code:**
Location Number: *402* **Location Map Year:** *1975* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *60 ft.* **Depth to Bedrock:**
Casing Diameter: *5 in.* **Casing Thickness:** **Casing Length:** *30 ft.*
Well Use: **Screen Length:** **Date of Completion:** *8/18/65*
Aquifer Type: *SHALE* **Driller's Name:** *FOWLER DRILLING INC.*

WELL TEST DETAILS

Static Water Level: *27 ft.* **Test Rate:** *21 gpm*
Drawdown: *3 ft.* **Test Duration:** *2 hrs.*

Associated Reports
NONE

COMMENTS:

nonresponsive

WELL LOG

Formations	From	To
SAND & GRAVEL	0	- 26
SANDSTONE	26	- 56
SHALE	56	- 60

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Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 122113

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON-RESPONSIVE **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-RESPONSIVE
City: **State:** *OH* **Zip Code:**
Location Number: *397* **Location Map Year:** *1975* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *50 ft.* **Depth to Bedrock:**
Casing Diameter: *4 in.* **Casing Thickness:** **Casing Length:** *30 ft.*
Well Use: **Screen Length:** **Date of Completion:** *3/15/54*
Aquifer Type: *SANDSTONE* **Driller's Name:** *FOWLER DRILLING INC.*

WELL TEST DETAILS

Static Water Level: *24 ft.* **Test Rate:** *10 gpm*
Drawdown: *4 ft.* **Test Duration:** *1 hrs.*

Associated Reports
NONE

COMMENTS:

nonresponsive

WELL LOG

Formations	From	To
GRAVEL & CLAY	0	- 26
SANDSTONE	26	- 50

16

Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 157590

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON-RESPONS **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-RESPONSIVE
City: **State:** *OH* **Zip Code:**
Location Number: *400* **Location Map Year:** *1975* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *36 ft.* **Depth to Bedrock:**
Casing Diameter: *4 in.* **Casing Thickness:** **Casing Length:** *20 ft.*
Well Use: **Screen Length:** **Date of Completion:** *6/22/55*
Aquifer Type: *SANDSTONE* **Driller's Name:** *PUGH WELL & PUMP, INC.*

WELL TEST DETAILS

Static Water Level: *13 ft.* **Test Rate:** *20 gpm*
Drawdown: *0 ft.* **Test Duration:** *0.5 hrs.*

Associated Reports
NONE

COMMENTS:

nonresponsive

WELL LOG

Formations	From	To
SAND & CLAY	0	- 20
SANDSTONE	20	- 36

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Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 343771

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON-RESPONSI **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-RESPONSIVE
City: **State:** *OH* **Zip Code:**
Location Number: *399* **Location Map Year:** *1975* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *52 ft.* **Depth to Bedrock:**
Casing Diameter: *5 in.* **Casing Thickness:** **Casing Length:** *34 ft.*
Well Use: **Screen Length:** **Date of Completion:** *5/21/66*
Aquifer Type: *SILTSTONE* **Driller's Name:** *FOWLER DRILLING INC.*

WELL TEST DETAILS

Static Water Level: *17 ft.* **Test Rate:** *30 gpm*
Drawdown: *4 ft.* **Test Duration:** *2 hrs.*

Associated Reports
NONE

COMMENTS:

nonresponsive

WELL LOG

Formations	From	To
YEL SAND & CLAY	0	- 18
BROKEN SANDSTONE	18	- 34
SILTSTONE	34	- 52

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Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 239861

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON-RESPONSIVE **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-RESPONSIVE
City: **State:** *OH* **Zip Code:**
Location Number: *398* **Location Map Year:** *1975* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *53 ft.* **Depth to Bedrock:**
Casing Diameter: *4 in.* **Casing Thickness:** **Casing Length:** *36 ft.*
Well Use: **Screen Length:** **Date of Completion:** *7/9/60*
Aquifer Type: *SANDSTONE* **Driller's Name:** *FOWLER DRILLING INC.*

WELL TEST DETAILS

Static Water Level: *26 ft.* **Test Rate:** *16 gpm*
Drawdown: *2 ft.* **Test Duration:** *1 hrs.*

Associated Reports
NONE

COMMENTS:

nonresponsive

WELL LOG

Formations	From	To
SAND & GRAVEL	0	- 30
SANDSTONE	30	- 53

Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 623472

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON-RESPONSIVE **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-RESPONSIVE
City: **State:** *OH* **Zip Code:**
Location Number: *1394* **Location Map Year:** *1990* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *56 ft.* **Depth to Bedrock:**
Casing Diameter: *5 in.* **Casing Thickness:** **Casing Length:** *25 ft.*
Well Use: **Screen Length:** **Date of Completion:** *4/28/86*
Aquifer Type: *SANDSTONE* **Driller's Name:** *FRANTZ DAWSON DRILLING CO*

WELL TEST DETAILS

Static Water Level: *20 ft.* **Test Rate:** *9 gpm* **Associated Reports**
Drawdown: *5 ft.* **Test Duration:** *2 hrs.* NONE

COMMENTS:

nonresponsive

WELL LOG

Formations	From	To
BROKEN ROCK	0	2
TOP SOIL	2	2
BROKEN SANDSTONE	2	10
BRN SANDSTONE	10	45
GRY SHALE	45	50
BRN SANDSTONE	50	56

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Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 656815

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON-RESPONSIVE **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-RESPONSIVE
City: **State:** *OH* **Zip Code:**
Location Number: *1394* **Location Map Year:** *1990* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *130 ft.* **Depth to Bedrock:**
Casing Diameter: *4 in.* **Casing Thickness:** **Casing Length:** *84 ft.*
Well Use: **Screen Length:** **Date of Completion:** *9/24/86*
Aquifer Type: *SHALE* **Driller's Name:** *FOWLER DRILLING INC.*

WELL TEST DETAILS

Static Water Level: *40 ft.* **Test Rate:** *12 gpm*
Drawdown: *50 ft.* **Test Duration:** *2 hrs.*

Associated Reports
NONE

COMMENTS:

WELL LOG

Formations	From	To
SANDSTONE	0	- 70
SHALE	70	- 130

Water Well Log and Drilling Repor
Ohio Department of Natural Resource
Division of Wate
Phone: 614-265-674
email: cleve.brown@dnr.state.oh.u
Water Home: http://www.dnr.state.oh.us/wate

WELL LOG AND DRILLING REPORT

Well Log Number: 723193

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON-RESPONSIVE
Lot Number:
County: *SUMMIT*
Township: *COVENTRY* **Section Number:**
Address: NON-RESPONSIVE
City:
State: *OH* **Zip Code:**
Location Number:
Location Map Year: **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter:
Total Depth: *135 ft.* **Depth to Bedrock:**
Casing Diameter: *5 in.*
Casing Thickness: **Casing Length:** *102 ft.*
Well Use: *DOMESTIC*
Screen Length: **Date of Completion:** *12/7/90*
Aquifer Type: *SHALE*
Driller's Name: *FOWLER DRILLING INC.*

WELL TEST DETAILS

Static Water Level: *47 ft.*
Test Rate: *15 gpm*
Drawdown: *70 ft.*
Test Duration: *1 hrs.*

Associated Reports
SEALING REPORT

COMMENTS:

WELL LOG

Formations	From	To
YEL GRAVEL & CLAY	0	- 4
BRN SANDSTONE	4	- 55
GRY SHALE	55	- 135

nonresponsive

[redacted]

Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 172436

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON- **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-RESPONSIVE
City: **State:** *OH* **Zip Code:**
Location Number: *495* **Location Map Year:** *1975* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *60 ft.* **Depth to Bedrock:**
Casing Diameter: *4 in.* **Casing Thickness:** **Casing Length:** *45 ft.*
Well Use: **Screen Length:** **Date of Completion:** *8/12/56*
Aquifer Type: *SANDSTONE* **Driller's Name:** *FOWLER H W*

WELL TEST DETAILS

Static Water Level: *40 ft.* **Test Rate:** *10 gpm* **Associated Reports**
Drawdown: *2 ft.* **Test Duration:** *2 hrs.* NONE

COMMENTS:

nonresponsive

WELL LOG

Formations	From	To
SAND & GRAVEL	0	- 40
SANDSTONE	40	- 60

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Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 122139

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: *C BUCKLEY* **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: *2977 MANCHESTEK ROAD*
City: **State:** *OH* **Zip Code:**
Location Number: *498* **Location Map Year:** *1975* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *40 ft.* **Depth to Bedrock:**
Casing Diameter: *4 in.* **Casing Thickness:** **Casing Length:** *15 ft.*
Well Use: **Screen Length:** **Date of Completion:** *1/14/55*
Aquifer Type: *SANDSTONE* **Driller's Name:** *FOWLER H W*

WELL TEST DETAILS

Static Water Level: *14 ft.* **Test Rate:** *10 gpm*
Drawdown: *6 ft.* **Test Duration:** *1 hrs.*

Associated Reports
NONE

COMMENTS:

WELL LOG

Formations	From	To
GRAVEL & CLAY	0	- 15
SANDSTONE	15	- 40

23

Water Well Log and Drilling Re
Ohio Department of Natural Resou
Division of W
Phone: 614-265-(
email: cleve.brown@dnr.state.c
Water Home: http://www.dnr.state.oh.us/w

WELL LOG AND DRILLING REPORT

Well Log Number: 305336

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: *BACKLEY'S AUTO WRECK* **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: *2977 MANCHESTER ROAD*
City: **State:** *OH* **Zip Code:**
Location Number: *497* **Location Map Year:** *1975* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *42 ft.* **Depth to Bedrock:**
Casing Diameter: *5 in.* **Casing Thickness:** **Casing Length:** *37 ft.*
Well Use: **Screen Length:** **Date of Completion:** *5/6/64*
Aquifer Type: *SHALE* **Driller's Name:** *FOWLER H W*

WELL TEST DETAILS

Static Water Level: *5 ft.* **Test Rate:** *18 gpm*
Drawdown: *21 ft.* **Test Duration:** *2 hrs.*

Associated Reports
NONE

COMMENTS:

WELL LOG

Formations	From	To
SAND	0	- 4
BROKEN SANDSTONE	4	- 37
SANDSTONE	37	- 40
SHALE	40	- 42

Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 520748

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON-RESPONS **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-RESPONSIVE
City: **State:** *OH* **Zip Code:**
Location Number: *1393* **Location Map Year:** *1990* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *55 ft.* **Depth to Bedrock:**
Casing Diameter: *5 in.* **Casing Thickness:** **Casing Length:** *36 ft.*
Well Use: **Screen Length:** **Date of Completion:** *8/2/80*
Aquifer Type: *SANDSTONE* **Driller's Name:** *GIVENS WELL DRILLING*

WELL TEST DETAILS

Static Water Level: *25 ft.* **Test Rate:** *20 gpm*
Drawdown: *3 ft.* **Test Duration:** *12 hrs.*

Associated Reports
NONE

COMMENTS:

WELL LOG

Formations	From	To
BROKEN SHALE	0	- 28
SANDSTONE	28	- 55

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Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 267049

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON-RESPONSIV **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-RESPONSIVE
City: **State:** *OH* **Zip Code:**
Location Number: *496* **Location Map Year:** *1975* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *51 ft.* **Depth to Bedrock:**
Casing Diameter: *4 in.* **Casing Thickness:** **Casing Length:** *30 ft.*
Well Use: **Screen Length:** **Date of Completion:** *6/27/62*
Aquifer Type: *SANDSTONE* **Driller's Name:** *FOWLER H W*

WELL TEST DETAILS

Static Water Level: *28 ft.* **Test Rate:** *16 gpm*
Drawdown: *2 ft.* **Test Duration:** *2 hrs.*

Associated Reports
NONE

COMMENTS:

WELL LOG

Formations	From	To
SAND & GRAVEL	0	- 20
SANDSTONE	20	- 51

Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 404264

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON-[redacted] **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-RESPONSIVE
City: **State:** *OH* **Zip Code:**
Location Number: *500* **Location Map Year:** *1975* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *29 ft.* **Depth to Bedrock:**
Casing Diameter: *7 in.* **Casing Thickness:** **Casing Length:** *33 ft.*
Well Use: **Screen Length:** **Date of Completion:** *3/31/70*
Aquifer Type: *SANDSTONE* **Driller's Name:** *PUGH WELL DRILLING*

WELL TEST DETAILS

Static Water Level: *8 ft.* **Test Rate:** *18 gpm*
Drawdown: *14 ft.* **Test Duration:** *1 hrs.*

Associated Reports
NONE

COMMENTS:

WELL LOG

Formations	From	To
SAND & GRAVEL	0	- 14
BROKEN SANDSTONE	14	- 29

Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 686246

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON-RESPONSIV **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-RESPONSIVE
City: **State:** *OH* **Zip Code:**
Location Number: *1392* **Location Map Year:** *1990* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *120 ft.* **Depth to Bedrock:**
Casing Diameter: *5 in.* **Casing Thickness:** **Casing Length:** *60 ft.*
Well Use: **Screen Length:** **Date of Completion:** *8/15/88*
Aquifer Type: *SHALE* **Driller's Name:** *FOWLER DRILLING INC.*

WELL TEST DETAILS

Static Water Level: *15 ft.* **Test Rate:** *15 gpm*
Drawdown: *30 ft.* **Test Duration:** *1 hrs.*

Associated Reports
NONE

COMMENTS:

WELL LOG

Formations	From	To
SANDY CLAY	0	7
BRN SANDSTONE	7	42
GRY SHALE	42	44
BRN SANDSTONE	44	48
GRY SHALE	48	120

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Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 264818

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON-[redacted] **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-RESPONSIVE
City: **State:** *OH* **Zip Code:**
Location Number: *499* **Location Map Year:** *1975* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *67 ft.* **Depth to Bedrock:**
Casing Diameter: *4 in.* **Casing Thickness:** **Casing Length:** *31 ft.*
Well Use: **Screen Length:** **Date of Completion:** *10/18/61*
Aquifer Type: *SHALE* **Driller's Name:** *ALCHIER WELL DRILLING*

WELL TEST DETAILS

Static Water Level: *6 ft.* **Test Rate:** *20 gpm*
Drawdown: *3 ft.* **Test Duration:** *2 hrs.*

Associated Reports
NONE

COMMENTS:

WELL LOG

Formations	From	To
CLAY	0	- 8
SANDSTONE	8	- 31
SHALE	31	- 35
SANDSTONE	35	- 40
SHALE	40	- 67
BROKEN CLAY & SANDSTONE	67	-

Water Well Log and Drilling Re
Ohio Department of Natural Resou
Division of W
Phone: 614-265-6
email: cleve.brown@dnr.state.o
Water Home: http://www.dnr.state.oh.us/w

WELL LOG AND DRILLING REPORT

Well Log Number: 512893

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON-RESPONSIVE **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-RESPONSIVE
City: **State:** *OH* **Zip Code:**
Location Number: *1391* **Location Map Year:** *1990* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *60 ft.* **Depth to Bedrock:**
Casing Diameter: *7 in.* **Casing Thickness:** **Casing Length:** *52 ft.*
Well Use: **Screen Length:** **Date of Completion:** *5/11/77*
Aquifer Type: *SHALE* **Driller's Name:** *COOPER WATER WELL DRILLING*

WELL TEST DETAILS

Static Water Level: *9 ft.* **Test Rate:** *40 gpm*
Drawdown: *30 ft.* **Test Duration:** *1 hrs.*

Associated Reports
NONE

COMMENTS:

WELL LOG

Formations	From	To
SAND & CLAY	0	- 8
SAND	8	- 29
BLU GRAVEL & CLAY	29	- 35
SHALE	35	- 60

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Water Well Log and Drilling Re
Ohio Department of Natural Resou
Division of W
Phone: 614-265-6
email: cleve.brown@dnr.state.o
Water Home: http://www.dnr.state.oh.us/w

WELL LOG AND DRILLING REPORT

Well Log Number: 493562

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON-RESPONSIVE **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-RESPONSIVE
City: **State:** *OH* **Zip Code:**
Location Number: *1391* **Location Map Year:** *1990* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *91 ft.* **Depth to Bedrock:**
Casing Diameter: *7 in.* **Casing Thickness:** **Casing Length:** *42 ft.*
Well Use: **Screen Length:** **Date of Completion:** *2/19/76*
Aquifer Type: *SHALE* **Driller's Name:** *PUGH WELL & PUMP, INC.*

WELL TEST DETAILS

Static Water Level: *16 ft.* **Test Rate:** *50 gpm*
Drawdown: *20 ft.* **Test Duration:** *1 hrs.*

Associated Reports
NONE

COMMENTS:

WELL LOG

Formations	From	To
GRAVEL & CLAY	0	- 8
SANDSTONE	8	- 42
SHALE	42	- 91

Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 159777

Conduct Another Search

ORIGINAL OWNER AND LOCATION

Original Owner Name: NON-RESPONSI **Lot Number:**
County: *SUMMIT* **Township:** *COVENTRY* **Section Number:**
Address: NON-RESPONSIVE
City: **State:** *OH* **Zip Code:**
Location Number: *1393* **Location Map Year:** *1990* **Location Area:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *92 ft.* **Depth to Bedrock:**
Casing Diameter: *4 in.* **Casing Thickness:** **Casing Length:** *73 ft.*
Well Use: **Screen Length:** **Date of Completion:** *10/10/55*
Aquifer Type: *GRIT* **Driller's Name:** *YANTIS H V*

WELL TEST DETAILS

Static Water Level: *8 ft.* **Test Rate:** *20 gpm*
Drawdown: *4 ft.* **Test Duration:** *1 hrs.*

Associated Reports
NONE

COMMENTS:

WELL LOG

Formations	From	To
OLD WELL	0	- 73
SHALE	73	- 84
GRY GRIT	84	- 92
WATER AT	92	- 92

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Appendix C

GIS Maps and Tables

RADIUS	TOTAL	WHITE	BLACK	INDIAN	ASIAN	HAWAII_PA	OTHER	HOUSING
3.00 - 4.00	48840	28403	18048	134	935	12	1309	19397
2.00 - 3.00	41713	34840	5477	131	361	4	900	16919
1.00 - 2.00	21280	20376	406	53	143	2	300	8970
0.50 - 1.00	4027	3812	134	10	17	1	53	1774
0.25 - 0.50	810	766	24	2	5	1	12	365
0.00 - 0.25	167	163	0	1	1	0	3	71
TOTALS	116837	88360	24089	331	1462	20	2577	47496

PUBLIC WATER SUPPLY SYSTEMS WITHIN A 4-MAILE RADIUS OF BUCKLEY TOWING

ID_	PWS_ID	SYS_TYPE	NAME	ADDRESS	CITY	STATE	DISTANCE	POPULATION
1	7701912	Community	LAKESIDE MOBILE HOME PK	2930 MANCHESTER ROAD	AKRON	OH	0.2123	108
2	7765312	Non-Community/Transient	KC'S LAKES LOUNGE	3420 MANCHESTER ROAD	AKRON	OH	0.6928	200
3	7756812	Non-Community/Transient	PORTAGE LAKES ROOT BEER	1024 SWIGART ROAD	BARBERTON	OH	0.7306	350
4	7782712	Non-Community/Transient	PORTAGE LAKES MEDICAL	3515 MANCHESTER ROAD	AKRON	OH	0.9602	50
5	7738312	Non-Community/Transient	MR. HERO RESTAURANT	3454 MANCHESTER ROAD	AKRON	OH	0.9635	250
6	7747512	Non-Community/Transient	HONEYMOON DONUTS	372 VALENTINES BROOK	MUNROE FALLS	OH	1.0103	150
7	7793412	Non-Community/Transient	ODNR - DISTRICT 3	912 PORTAGE LAKE DRIVE	AKRON	OH	1.1974	25
8	7798212	Non-Community/Transient	HOLLAND OIL #26	3357 MANCHESTER ROAD	AKRON	OH	1.2847	25
9	7756912	Non-Community/Transient	AKRON AUTO AUCTION	2471 LEY DRIVE	AKRON	OH	1.2861	50
10	7788512	Non-Community/Non-Transient	MAIN PARKWAY CENTER	38 ROCHE WAY	YOUNGSTOWN	OH	1.3393	55
11	7706712	Community	PORTAGE LK KIWANIS TOWER	399 PORTAGE LAKES DRIVE	AKRON	OH	1.3584	46
12	7794412	Non-Community/Transient	SPEE-D-FOODS - S MAIN ST	2337 SOUTH MAIN STREET	AKRON	OH	1.3652	50
13	7764212	Non-Community/Transient	THE HARBOR	562 PORTAGE LAKE DRIVE	AKRON	OH	1.5266	260
14	7767912	Non-Community/Transient	ROSE VILLA RESTAURANT	368 PORTAGE LAKES DRIVE	AKRON	OH	1.5518	375
15	7708712	Community	SNUG HARBOR CONDO ASSOC.	255-F PORTAGE LAKES DR	AKRON	OH	1.5735	60
16	7708912	Community	SPINNAKER BAY APARTMENTS	325 PORTAGE LAKES DR.	AKRON	OH	1.5948	23
17	7798112	Non-Community/Transient	METROPKS-FIRESTONE PAVIL	975 TREATY LINE ROAD	AKRON	OH	1.6064	150
18	7761712	Non-Community/Non-Transient	LAKEVIEW ELEMENTARY SCL.	2910 SOUTH MAIN STREET	AKRON	OH	1.6074	275
19	7709012	Community	HIGHPOINT VILLA APTS.	325 PORTAGE LAKES DR.	AKRON	OH	1.7044	25
20	7794512	Non-Community/Non-Transient	PORTAGE LAKES PLAZA	99 N. COLLEGE	AKRON	OH	1.7222	42
21	7765412	Non-Community/Transient	HEY JUDE'S	3090 S.MAIN STREET	AKRON	OH	1.8103	67
22	7796012	Non-Community/Transient	ST.FRANCIS CHURCH	4009 MANCHESTER ROAD	AKRON	OH	1.8430	750
23	7741912	Non-Community/Non-Transient	ST. FRANCIS DE SALES SCH	4009 MANCHESTER ROAD	AKRON	OH	1.8600	492
24	7703112	Community	SUMMIT CO-BRENTWOOD	2525 STATE ROAD	CUYAHOGA FALLS	OH	1.8645	651
25	7709112	Community	PENGUIN CONDOMINIUMS	2153 PENGUIN AVE.	AKRON	OH	1.9676	90
26	7788812	Non-Community/Transient	PORTAGE LAKES LIBRARY	4259 MANCHESTER ROAD	AKRON	OH	2.2103	75
27	7721812	Non-Community/Transient	FIRESTONE CC-SO CRSE RR1	452 E. WARNER ROAD	AKRON	OH	2.2124	100
28	7708012	Community	INTERVAL BROTHERHOOD HOM	3445 SOUTH MAIN ST	AKRON	OH	2.3216	60
29	7792212	Non-Community/Non-Transient	IBH MULTI PURPOSE BLDG	3455 SOUTH MAIN STREET	AKRON	OH	2.3216	35
30	7786212	Non-Community/Non-Transient	FIRESTONE COUNTRY CLUB	452 E. WARNER ROAD	AKRON	OH	2.3618	150
31	7731212	Non-Community/Transient	BRASKO'S COVENTRY TAVERN	1644 W. TURKEYFOOT LAKE R(	BARBERTON	OH	2.4247	25
32	7757012	Non-Community/Transient	AKRON YACHT CLUB	5653 DAILEY ROAD	AKRON	OH	2.4367	35
33	7721912	Non-Community/Transient	FIRESTONE CC-SO CRSE RR2	452 E. WARNER ROAD	AKRON	OH	2.4505	100
34	7759912	Non-Community/Transient	FIRESTONE CC/W.CRS.PAVIL	452 EAST WARNER ROAD	AKRON	OH	2.5302	100
35	7721112	Non-Community/Non-Transient	RUBBER ASSOCIATES	1522 W. TURKEY LAKE RD.	BARBERTON	OH	2.5340	115
36	7722812	Non-Community/Transient	GOODYEAR YACHT CLUB	1265 JOHN'S ROAD	CLINTON	OH	2.5418	25
37	7744712	Non-Community/Transient	THE UPPER DECK	357 WEST TURKEYFOOT LAKE	AKRON	OH	2.5866	200

PUBLIC WATER SUPPLY SYSTEMS WITHIN A 4-MAILE RADIUS OF BUCKLEY TOWING

ID_	PWS_ID	SYS_TYPE	NAME	ADDRESS	CITY	STATE	DISTANCE	POPULATION
38	7745812	Non-Community/Transient	BILLOWS CHAPEL	472 W. TURKEYFOOT LAKE RO	AKRON	OH	2.6269	50
39	7775912	Non-Community/Transient	BLACK DOG RESTAURANT	401 W.TURKEYFOOT LAKE RO/	AKRON	OH	2.6637	70
40	7720312	Non-Community/Transient	GAS & OIL INC #19	1256 KRUMROY ROAD	AKRON	OH	2.6705	32
41	7773012	Non-Community/Transient	ANTHE'S	4315 MANCHESTER ROAD	AKRON	OH	2.6823	300
42	7775612	Non-Community/Non-Transient	COTTAGE GROVE ELEM SCH	3185 DAISY AVENUE	AKRON	OH	2.6838	400
43	7791012	Non-Community/Transient	PELICAN COVE RESTAURANT	3720 S. MAIN STREET	AKRON	OH	2.7212	250
44	7703812	Community	REX HILL MOBILE ESTATES	1160 W. TURKEYFOOT LAKE RI	BARBERTON	OH	2.7473	144
45	7743912	Non-Community/Non-Transient	TURKEYFOOT ELEMENTARY SC	530 WEST TURKEYFOOT LAKE	AKRON	OH	2.7603	435
46	7772612	Non-Community/Transient	AKRON ROTARY CLUB-1	4460 REX LAKE DRIVE	AKRON	OH	2.7827	70
47	7772712	Non-Community/Transient	AKRON ROTARY CLUB-2	4460 REX LAKE DRIVE	AKRON	OH	2.8043	70
48	7779412	Non-Community/Transient	ROYAL GARDENS	680 WEST TURKEYFOOT LAKE	AKRON	OH	2.8343	40
49	7770412	Non-Community/Transient	TURKEYFOOT ISLAND CLUB	4490 LAHM DR.	AKRON	OH	2.8680	30
50	7724812	Non-Community/Transient	SANDBAR	3822 S. MAIN ST.	AKRON	OH	2.8734	80
51	7791112	Non-Community/Transient	WOODY'S RESTAURANT	3829 SOUTH MAIN ST.	AKRON	OH	2.8751	150
52	7770712	Non-Community/Transient	TURKEYFOOT LAKES GOLF-3	294 WEST TURKEYFOOT LAKE	AKRON	OH	2.9055	150
53	7798412	Non-Community/Transient	HOLLAND OIL #51	791 N. CLEVELAND-MASSILLOI	GHENT	OH	2.9110	25
54	7723012	Non-Community/Transient	GAS & OIL #15	1256 KRUMROY ROAD	AKRON	OH	2.9125	25
55	7770612	Non-Community/Transient	TURKEYFOOT LAKES GOLF-2	294 WEST TURKEYFOOT LAKE	AKRON	OH	2.9281	150
56	7770512	Non-Community/Transient	TURKEYFOOT LAKES GOLF-1	294 WEST TURKEYFOOT LAKE	AKRON	OH	2.9382	100
57	7770812	Non-Community/Transient	TURKEYFOOT SPORTSMAN CLU	4551 DUSTY'S ROAD	AKRON	OH	2.9988	50
58	7799012	Non-Community/Non-Transient	AMERICAN FREIGHTWAYS	678 KILLIAN RD	AKRON	OH	2.9990	53
59	7795212	Non-Community/Transient	THOMPSON MEMORIAL CHURCH	994 SWARTZ ROAD	AKRON	OH	3.0307	100
60	7740312	Non-Community/Transient	SIR DUDLEY'S SPORTS PUB	2468 S.ARLINGTON STREET	AKRON	OH	3.0523	125
61	7725012	Non-Community/Transient	WINK'S DRIVE-IN	3929 S. MAIN STREET	AKRON	OH	3.0533	50
62	7724912	Non-Community/Transient	BOB'S LAKE BAR	3950 SOUTH MAIN STREET	AKRON	OH	3.0724	120
63	7798012	Non-Community/Transient	PIZZA HUT-S. ARLINGTON	2916 S.ARLINGTON ROAD	AKRON	OH	3.0921	600
64	7757412	Non-Community/Transient	FREEDOM RD.COMM.CENTER	2418 S. ARLINGTON STREET	AKRON	OH	3.0942	200
65	7791512	Non-Community/Non-Transient	RING AROUND THE ROSIE DA	3895 S. MAIN STREET	AKRON	OH	3.0962	61
66	7775712	Non-Community/Transient	CRAFTSMAN RECREATION CL.	4450 REX LAKE DRIVE	AKRON	OH	3.1106	50
67	7795812	Non-Community/Non-Transient	DIY HOME WAREHOUSE	2234 SOUTH ARLINGTON ST	AKRON	OH	3.1454	27
68	7702812	Community	SANDY BEACH TRAILER PARK	3785 SOUTH MAIN STREET	AKRON	OH	3.1838	108
69	7721212	Non-Community/Transient	RITE AID - S. MAIN ST.	4053 S. MAIN ST.	GREEN	OH	3.2012	200
70	7784412	Non-Community/Non-Transient	SOUTH MAIN CENTRE LTD	7530 LUCERNE DRIVE SUITE 1(	CLEVELAND	OH	3.2074	50
71	7724712	Non-Community/Transient	TADMOR TEMPLE	3000 KREBS DRIVE	AKRON	OH	3.3358	200
72	7798612	Non-Community/Transient	GENE'S LOUNGE	3160 BARBER ROAD	NORTON	OH	3.3921	100
73	7788212	Non-Community/Non-Transient	ARLINGTON ROAD COMMONS	2717 ARLINGTON RD	AKRON	OH	3.3998	50

PUBLIC WATER SUPPLY SYSTEMS WITHIN A 4-MAILE RADIUS OF BUCKLEY TOWING

ID_	PWS_ID	SYS_TYPE	NAME	ADDRESS	CITY	STATE	DISTANCE	POPULATION
74	7792912	Non-Community/Transient	WHITE CASTLE (ARLINGTON)	2900 ARLINGTON STREET	AKRON	OH	3.4731	500
75	7793712	Non-Community/Transient	KENNY ROGERS ROASTERS	2882 ARLINGTON RD	AKRON	OH	3.4951	84
76	7747712	Non-Community/Transient	LAKEVIEW CHURCH OF CHRIS	4613 SOUTH MAIN STREET	AKRON	OH	3.5059	230
77	7799212	Non-Community/Transient	LIBERTY GREEN PLAZA	525 N.CLEVELAND-MASSILLON	AKRON	OH	3.5116	25
ID_	PWS_ID	SYS_TYPE	NAME	ADDRESS	CITY	STATE	DISTANCE	POPULATION
78	7707412	Community	PEBBLE CREEK CONVALESCEN	670 JARVIS ROAD	AKRON	OH	3.5172	180
79	7780512	Non-Community/Transient	FRIENDLY ICE CREAM CORP.	2934 SOUTH ARLINGTON	AKRON	OH	3.5221	127
80	7708812	Community	HEALTHAVEN NURSING FACIL	615 LATHAM LANE	AKRON	OH	3.5619	92
81	7792512	Non-Community/Non-Transient	RYAN'S FAMILY STEAK	2863 ARLINGTON RD	AKRON	OH	3.5678	30
82	7792812	Non-Community/Non-Transient	BIG BOY RESTAURANT-ARLIN	2877 S. ARLINGTON RD	AKRON	OH	3.5897	26
83	7781912	Non-Community/Non-Transient	PRIME TIME PRESCHOOL	700 E TURKEYFOOT LAKE ROA	AKRON	OH	3.6293	28
84	7791612	Non-Community/Non-Transient	WAL-MART #1911	2887 SOUTH ARLINGTON ROAI	AKRON	OH	3.6433	120
85	7796712	Non-Community/Transient	COMFORT INN - ARLINGTON	2873 S. ARLINGTON ROAD	AKRON	OH	3.6613	75
86	7761212	Non-Community/Non-Transient	K MART STORE NO.4414	160 S. UNIVERSITY DR. SUITE I	PLANTATION	FL	3.6794	56
87	7743712	Non-Community/Transient	TOMASOS ITALIAN VILLA	3271 BARBER ROAD	NORTON	OH	3.6882	108
88	7780612	Non-Community/Transient	TACO BELL-S. ARLINGTON	3217 SOUTH ARLINGTON ROAI	AKRON	OH	3.7046	62
89	7795312	Non-Community/Transient	TACO BELL-CANTON ROAD	1303 CANTON ROAD	AKRON	OH	3.7046	62
90	7770312	Non-Community/Transient	FRANKLIN PARK CIVIC CENT	655 LATHAM LANE	AKRON	OH	3.7614	30
91	7723512	Non-Community/Transient	BOB EVANS RESTAURANT	3211 S.ARLINGTON ROAD	AKRON	OH	3.7642	166
92	7720716	Non-Community/Transient	MCDONALDS-ARLINGTON RD.	400 WEST MARKET STREET	AKRON	OH	3.7734	500
93	7789412	Non-Community/Transient	KING BUFFET	3190 S.ARLINGTON ROAD	AKRON	OH	3.7735	148
94	7754822	Non-Community/Non-Transient	HOLIDAY INN - AKRON SOUT	2940 CHENOWETH ROAD	AKRON	OH	3.8080	30
95	7784112	Non-Community/Transient	BP OIL STATION #05512	3171 SOUTH ARLINGTON ROAI	AKRON	OH	3.8181	75
96	7723612	Non-Community/Transient	DAY INN-S.ARLINGTON	3237 S.ARLINGTON ROAD	AKRON	OH	3.8216	200
97	7720612	Non-Community/Transient	MCDONALDS-MANCHESTER RD.	400 WEST MARKET STREET	AKRON	OH	3.8280	500
98	7792012	Non-Community/Transient	DENNY'S RESTAURANT-ARLIN	2943 S. ARLINGTON ROAD	AKRON	OH	3.8306	800
99	7720412	Non-Community/Transient	CHATTER BOX,INC.	5105 MANCHESTER ROAD	AKRON	OH	3.8442	60
100	7723712	Non-Community/Transient	WENDY'S-ARLINGTON ROAD	3570 FOREST LAKE DR.-SUITE	UNIONTOWN	OH	3.8529	92
101	7748012	Non-Community/Transient	MESSIAH LUTHERAN CHURCH	4700 SOUTH MAIN STREET	AKRON	OH	3.8599	100
102	7786912	Non-Community/Non-Transient	AMES DEPT STORE-ARLINGTO	3200 SOUTH ARLINGTON RD	AKRON	OH	3.8787	40
103	7796112	Non-Community/Transient	HILLCREST INN/CASTLEANEX	465 E. TURKEYFOOT LAKE RO/	AKRON	OH	3.9495	25
104	7721712	Non-Community/Transient	LIBERTY COURT CONDOMINIU	3465 SO. ARLINGTON RD. SUIT	AKRON	OH	3.9585	25
105	7724412	Non-Community/Transient	MANCHESTER PLAZA	6976 PROMWAY AVE. NW	NORTH CANTON	OH	3.9626	30

NATURAL HERITAGE DATA WITHIN 15 MILE RADIUS OF BUCKLEY TOWING

ID_	STATUS	DISTANCE	SCI_NAME	COM_NAME
1	State Endangered	0.5804	NUPHAR VARIEGATA	BULLHEAD-LILY
2	State Threatened	0.9036	ASTER DUMOSUS	BUSHY ASTER
3	State Threatened	0.9036	EPILOBIUM STRICTUM	SIMPLE WILLOW-HERB
4	State Threatened	1.1082	ERIMYZON SUCETTA	LAKE CHUBSUCKER
5	State Threatened	1.6327	BETULA PUMILA	SWAMP BIRCH
6	State Threatened	1.9746	SILENE CAROLINIANA VAR. PENS	CAROLINA CATCHFLY
7	State Threatened	3.0625	ZIZANIA AQUATICA	WILD RICE
8	State Endangered	3.0709	HYPERICUM CANADENSE	CANADIAN ST. JOHN'S-WORT
9	State Threatened	3.2422	EQUISETUM VARIEGATUM	VARIEGATED SCOURING-RUSH
10	State Threatened	3.4593	LECHEA INTERMEDIA	ROUND-FRUITED PINWEED
11	State Threatened	3.4593	HELIANTHEMUM BICKNELLII	PLAINS FROSTWEED
12	State Endangered	3.4838	POTAMOGETON FRIESII	FRIES' PONDWEED
13	State Threatened	3.6063	BETULA PUMILA	SWAMP BIRCH
14	State Endangered	3.7503	SALIX PEDICELLARIS	BOG WILLOW
15	State Threatened	3.7503	BETULA PUMILA	SWAMP BIRCH
16	State Threatened	3.7503	CAREX ALBOLUTESCENS	PALE STRAW SEDGE
17	State Threatened	3.7503	MENYANTHES TRIFOLIATA	BUCKBEAN
18	State Endangered	3.7503	SPHAGNUM RIPARIUM	SHORE-GROWING PEAT MOSS
19	State Threatened	4.4893	BARTRAMIA LONGICAUDA	UPLAND SANDPIPER
20	State Threatened	4.6755	POLYODON SPATHULA	PADDLEFISH
21	State Threatened	5.4929	TOFIELDIA GLUTINOSA	FALSE ASPHODEL
22	State Threatened	5.4929	POGONIA OPHIOGLOSSOIDES	ROSE POGONIA
23	State Threatened	5.4929	PANICUM BOREALE	NORTHERN PANIC-GRASS
24	State Threatened	5.4929	LILIUM PHILADELPHICUM	WOOD LILY
25	State Threatened	5.4929	SALIX CANDIDA	HOARY WILLOW
26	State Threatened	6.4212	CAREX PROJECTA	NECKLACE SEDGE
27	State Threatened	6.5195	VIBURNUM OPULUS VAR. AMERI(	HIGHBUSH-CRANBERRY
28	State Threatened	6.7549	SILENE CAROLINIANA VAR. PENS	CAROLINA CATCHFLY
29	State Endangered	6.8489	CAREX CEPHALOIDEA	THIN-LEAF SEDGE
30	State Endangered	7.1822	TYTO ALBA	BARN OWL
31	State Endangered	7.3390	POTAMOGETON GRAMINEUS	GRASS-LIKE PONDWEED
32	State Threatened	7.3390	ELEOCHARIS OLIVACEA	OLIVACEOUS SPIKERUSH
33	State Threatened	7.4009	ELYMUS TRACHYCAULUS	BEARDED WHEAT GRASS
34	State Threatened	7.4009	TRIGLOCHIN MARITIMUM	SEASIDE ARROW-GRASS
35	State Threatened	7.4009	TOFIELDIA GLUTINOSA	FALSE ASPHODEL
36	State Threatened	7.4735	ADLUMIA FUNGOSA	MOUNTAIN-FRINGE
37	State Threatened	7.5274	WOLFFIELLA GLADIATA	WOLFFIELLA
38	State Threatened	7.5274	POTAMOGETON PULCHER	SPOTTED PONDWEED
39	State Threatened	7.5782	POTAMOGETON PULCHER	SPOTTED PONDWEED
40	State Endangered	7.5940	CAREX DISPERMA	TWO-SEEDED SEDGE
41	State Threatened	7.5940	POA PALUDIGENA	MARSH SPEAR-GRASS
42	State Threatened	7.5940	UTRICULARIA INTERMEDIA	FLAT-LEAVED BLADDERWORT
43	State Endangered	7.5940	CARDAMINE PRATENSIS VAR. PA	AMERICAN CUCKOO-FLOWER
44	State Endangered	7.5940	MYRIOPHYLLUM VERTICILLATUM	GREEN WATER-MILFOIL
45	State Threatened	7.6203	CHIMAPHILA UMBELLATA	PIPSISSEWA
46	State Threatened	7.7071	LECHEA INTERMEDIA	ROUND-FRUITED PINWEED
47	State Endangered	7.7119	LUTRA CANADENSIS	RIVER OTTER
48	State Threatened	7.7333	CAREX OLIGOSPERMA	FEW-SEEDED SEDGE
49	State Threatened	7.7333	ELEOCHARIS OLIVACEA	OLIVACEOUS SPIKERUSH
50	State Threatened	7.7333	HYPERICUM BOREALE	NORTHERN ST. JOHN'S-WORT
51	State Threatened	7.7714	LECHEA INTERMEDIA	ROUND-FRUITED PINWEED

NATURAL HERITAGE DATA WITHIN 15 MILE RADIUS OF BUCKLEY TOWING

ID_	STATUS	DISTANCE	SCI_NAME	COM_NAME
52	State Threatened	7.7889	MENYANTHES TRIFOLIATA	BUCKBEAN
53	State Threatened	7.8584	LECHEA PULCHELLA	LEGGETT'S PINWEED
54	State Endangered	7.9716	GLYCERIA ACUTIFLORA	SHARP-GLUMED MANNA-GRASS
55	State Threatened	8.0329	POTAMOGETON PULCHER	SPOTTED PONDWEED
56	State Threatened	8.0464	LECHEA INTERMEDIA	ROUND-FRUITED PINWEED
57	Federally Threatened	8.0464	ACONITUM NOVEBORACENSE	NORTHERN MONKSHOOD
58	State Threatened	8.0964	PANICUM MERIDIONALE	SOUTHERN HAIRY PANIC-GRASS
59	State Threatened	8.0964	LECHEA PULCHELLA	LEGGETT'S PINWEED
60	State Threatened	8.1108	LECHEA INTERMEDIA	ROUND-FRUITED PINWEED
61	State Threatened	8.1751	LECHEA INTERMEDIA	ROUND-FRUITED PINWEED
62	State Endangered	8.2615	SALIX PEDICELLARIS	BOG WILLOW
63	State Threatened	8.2980	VACCINIUM OXYCOCCOS	SMALL CRANBERRY
64	State Endangered	8.4042	CINNA LATIFOLIA	NORTHERN WOOD-REED
65	State Threatened	8.4443	HYPERICUM BOREALE	NORTHERN ST. JOHN'S-WORT
66	State Threatened	8.4443	VACCINIUM OXYCOCCOS	SMALL CRANBERRY
67	State Endangered	8.4443	SALIX PEDICELLARIS	BOG WILLOW
68	State Threatened	8.6560	TOFIELDIA GLUTINOSA	FALSE ASPHODEL
69	State Endangered	8.7915	POLYGONUM CILINODE	MOUNTAIN BINDWEED
70	State Threatened	9.2819	LECHEA PULCHELLA	LEGGETT'S PINWEED
71	State Threatened	9.3012	BETULA PUMILA	SWAMP BIRCH
72	State Threatened	9.4338	WOLFFIELLA GLADIATA	WOLFFIELLA
73	State Threatened	9.4809	UTRICULARIA INTERMEDIA	FLAT-LEAVED BLADDERWORT
74	State Threatened	9.5998	HYPERICUM BOREALE	NORTHERN ST. JOHN'S-WORT
75	State Endangered	9.8068	PLATANTHERA BLEPHARIGLOTTI	WHITE FRINGED ORCHID
76	State Threatened	9.8068	VACCINIUM OXYCOCCOS	SMALL CRANBERRY
77	State Endangered	9.8068	UTRICULARIA GEMINISCAPA	TWO-SCAPED BLADDERWORT
78	State Endangered	9.8068	XYRIS DIFFORMIS	CAROLINA YELLOW-EYED-GRASS
79	State Threatened	9.8563	CLINTONIA UMBELLULATA	SPECKLED WOOD-LILY
80	State Threatened	9.9475	CLINTONIA UMBELLULATA	SPECKLED WOOD-LILY
81	State Endangered	10.6695	CISTOTHORUS PLATENSIS	SEDGE WREN
82	State Threatened	10.7775	WOLFFIELLA GLADIATA	WOLFFIELLA
83	State Endangered	10.9052	FUNDULUS DIAPHANUS MENONA	WESTERN BANDED KILLIFISH
84	State Threatened	11.0269	SAGITTARIA RIGIDA	DEER'S-TONGUE ARROWHEAD
85	State Threatened	11.2885	UTRICULARIA INTERMEDIA	FLAT-LEAVED BLADDERWORT
86	State Threatened	11.2885	CAREX OLIGOSPERMA	FEW-SEEDED SEDGE
87	State Endangered	11.3090	GALIUM LABRADORICUM	BOG BEDSTRAW
88	State Threatened	11.3303	HYPERICUM BOREALE	NORTHERN ST. JOHN'S-WORT
89	State Threatened	11.3650	SPIRANTHES ROMANZOFFIANA	HOODED LADIES'-TRESSES
90	State Endangered	11.3650	AGALINIS PURPUREA VAR. PARV	SMALL PURPLE FOXGLOVE
91	State Threatened	11.3650	UTRICULARIA INTERMEDIA	FLAT-LEAVED BLADDERWORT
92	State Threatened	11.3946	LECHEA PULCHELLA	LEGGETT'S PINWEED
93	State Threatened	11.4303	LECHEA INTERMEDIA	ROUND-FRUITED PINWEED
94	State Threatened	11.4303	EQUISETUM VARIEGATUM	VARIEGATED SCOURING-RUSH
95	State Threatened	11.4303	TOFIELDIA GLUTINOSA	FALSE ASPHODEL
96	State Threatened	11.4846	SPIRANTHES ROMANZOFFIANA	HOODED LADIES'-TRESSES
97	State Endangered	11.4846	AGALINIS PURPUREA VAR. PARV	SMALL PURPLE FOXGLOVE
98	State Threatened	11.5338	UTRICULARIA INTERMEDIA	FLAT-LEAVED BLADDERWORT
99	State Threatened	11.5338	TOFIELDIA GLUTINOSA	FALSE ASPHODEL
100	State Threatened	11.5338	LECHEA PULCHELLA	LEGGETT'S PINWEED
101	State Threatened	11.5338	SPIRANTHES ROMANZOFFIANA	HOODED LADIES'-TRESSES
102	State Endangered	11.5338	ARGIA BIPUNCTULATA	SEEPAGE DANCER

NATURAL HERITAGE DATA WITHIN 15 MILE RADIUS OF BUCKLEY TOWING

ID_	STATUS	DISTANCE	SCI_NAME	COM_NAME
103	State Endangered	11.5338	AGALINIS PURPUREA VAR. PARV	SMALL PURPLE FOXGLOVE
104	State Threatened	11.5400	LECHEA PULCHELLA	LEGGETT'S PINWEED
105	State Threatened	11.5913	VIBURNUM OPULUS VAR. AMERI(	HIGHBUSH-CRANBERRY
106	State Endangered	11.6275	BOTAURUS LENTIGINOSUS	AMERICAN BITTERN
107	State Endangered	11.6275	IXOBRYCHUS EXILIS	LEAST BITTERN
108	State Endangered	11.6324	AGALINIS PURPUREA VAR. PARV	SMALL PURPLE FOXGLOVE
109	State Threatened	11.6324	TOFIELDIA GLUTINOSA	FALSE ASPHODEL
110	State Threatened	11.7209	EPILOBIUM STRICTUM	SIMPLE WILLOW-HERB
111	State Threatened	12.0351	CLONOPHIS KIRTLANDII	KIRTLAND'S SNAKE
112	State Threatened	12.2521	MYRIOPHYLLUM SIBIRICUM	AMERICAN WATER-MILFOIL
113	State Endangered	12.7088	JUNCUS PLATYPHYLLUS	FLAT-LEAVED RUSH
114	State Endangered	12.7819	CATOCALA GRACILIS	GRACEFUL UNDERWING
115	State Threatened	12.7819	VACCINIUM OXYCOCCOS	SMALL CRANBERRY
116	State Endangered	12.7819	EPIGLAEA APIATA	POINTED SALLOW
117	State Threatened	12.7819	CAREX OLIGOSPERMA	FEW-SEEDED SEDGE
118	State Threatened	12.8655	CAREX OLIGOSPERMA	FEW-SEEDED SEDGE
119	State Endangered	12.9503	BOTAURUS LENTIGINOSUS	AMERICAN BITTERN
120	State Endangered	13.1281	GLYCERIA ACUTIFLORA	SHARP-GLUMED MANNA-GRASS
121	State Endangered	13.6450	SPARGANIUM CHLOROCARPUM	SMALL BUR-REED
122	State Threatened	14.1215	CAREX OLIGOSPERMA	FEW-SEEDED SEDGE
123	State Endangered	14.1215	LEDUM GROENLANDICUM	LABRADOR-TEA
124	State Threatened	14.4031	EQUISETUM VARIEGATUM	VARIEGATED SCOURING-RUSH
125	State Endangered	14.4650	CATHARUS GUTTATUS	HERMIT THRUSH
126	State Endangered	14.4772	VERMIVORA CHRYSOPTERA	GOLDEN-WINGED WARBLER
127	State Endangered	14.6189	WILSONIA CANADENSIS	CANADA WARBLER
128	State Endangered	14.6189	CAREX ARCTATA	DROOPING WOOD SEDGE

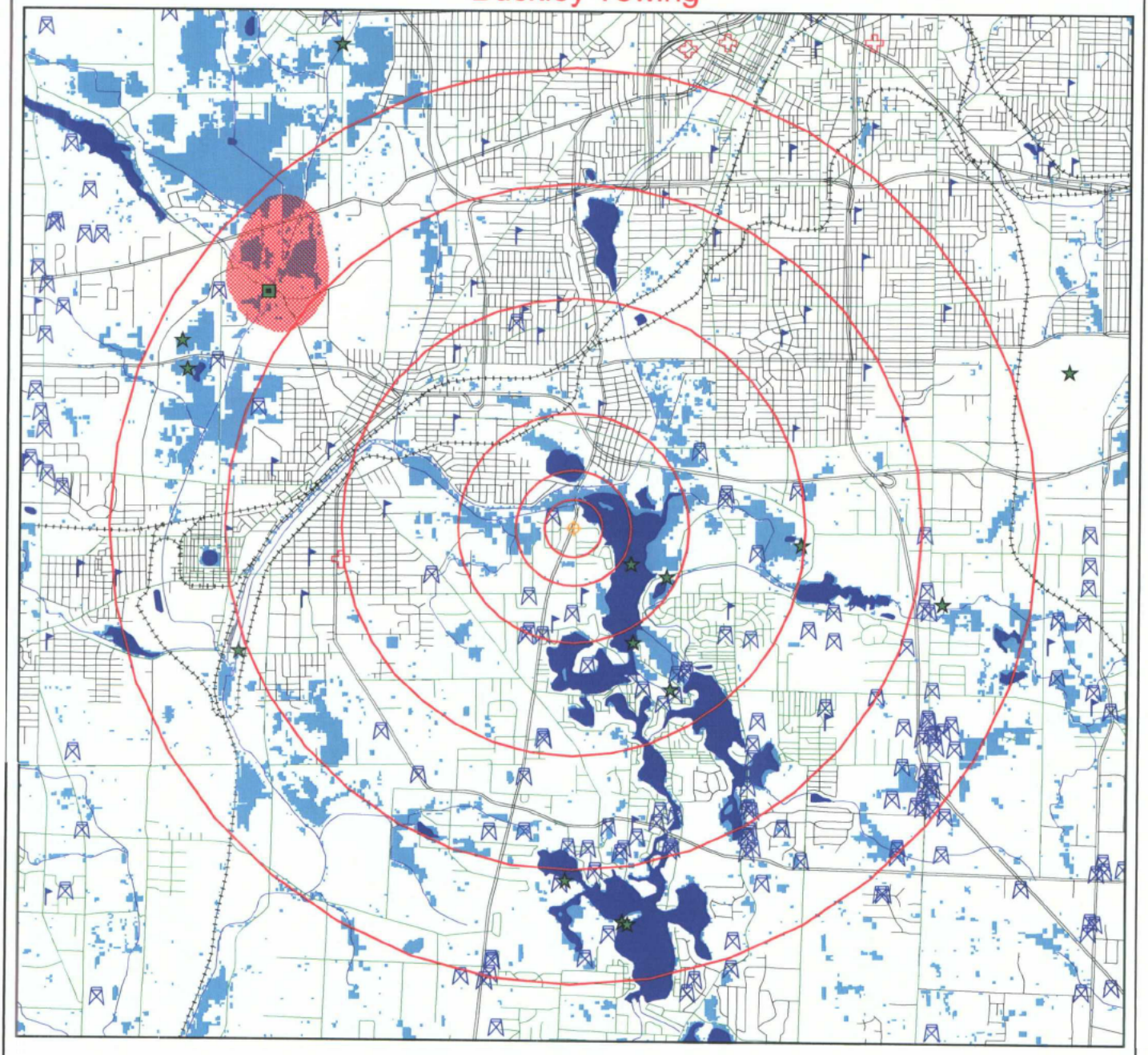
Ohio EPA

Division of Emergency & Remedial Response

GEOGRAPHIC INFORMATION SYSTEM 4-MILE RADIUS MAP

Summit County

Buckley Towing



- Site
- School
- Hospital
- Public Surface Water Systems
- Public Ground Water Systems
- US Endangered/Threatened Species
- Ohio Endangered/Threatened Species
- Wetland Area
- Lakes & Ponds
- Wellhead Protection Area
- Limit of Radius From Site
- County Boundaries
- Rivers & Streams
- Railroad
- State and Federal Highways
- Local Roads
- Municipal Roads

N

2 0 2 Miles

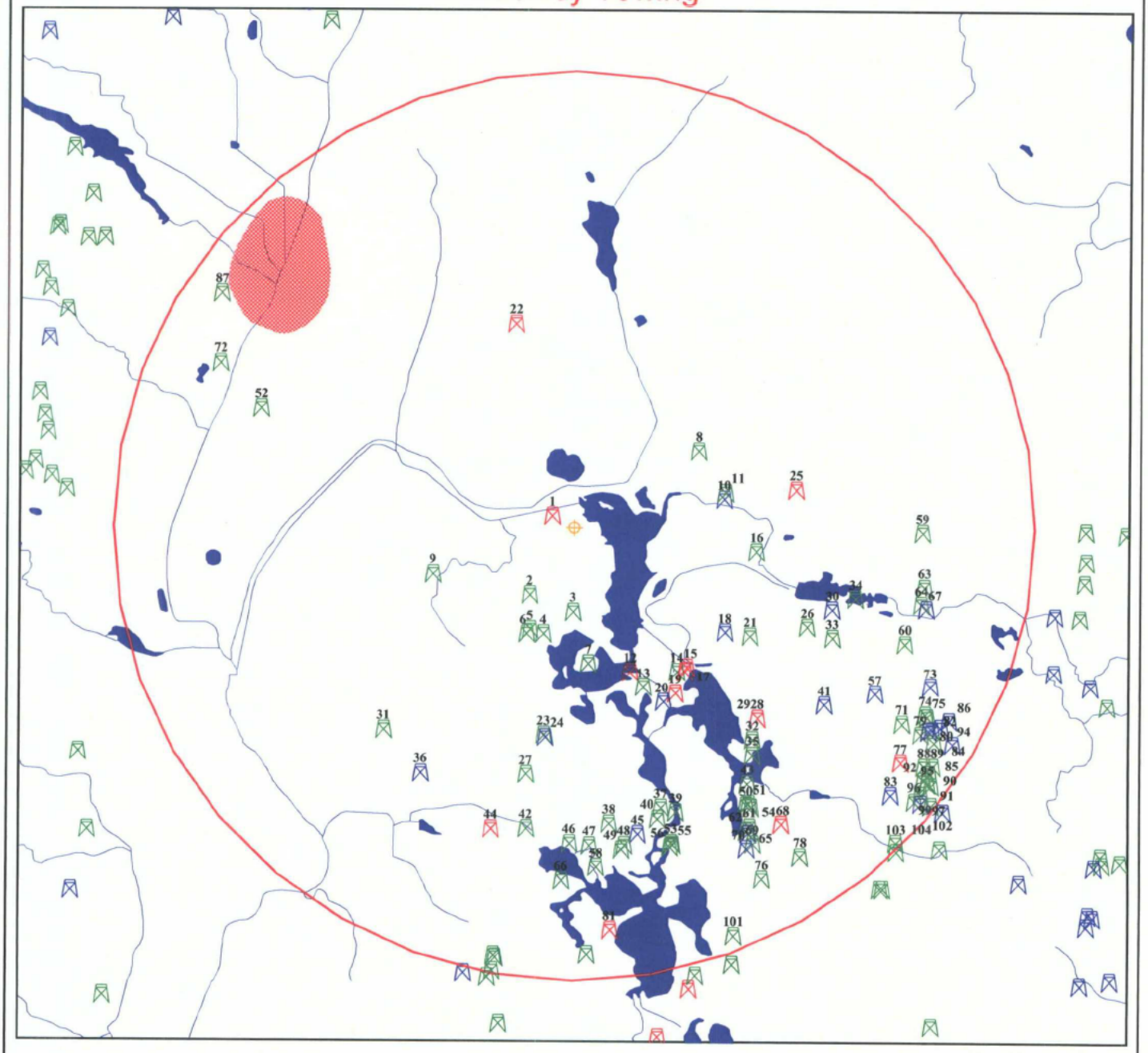
OhioEPA

Division of Emergency & Remedial Response

GEOGRAPHIC INFORMATION SYSTEM 4-MILE RADIUS MAP

PUBLIC GROUND WATER SYSTEMS

Buckley Towing



Site

Public Ground Water Systems
- Community
- Non-Community/Transient
- Non-Community/Non-Transient

Rivers & Streams
Wellhead Protection Area
Lakes & Ponds
Limit of Radius From Site
County Boundaries

1 0 1 Miles

N

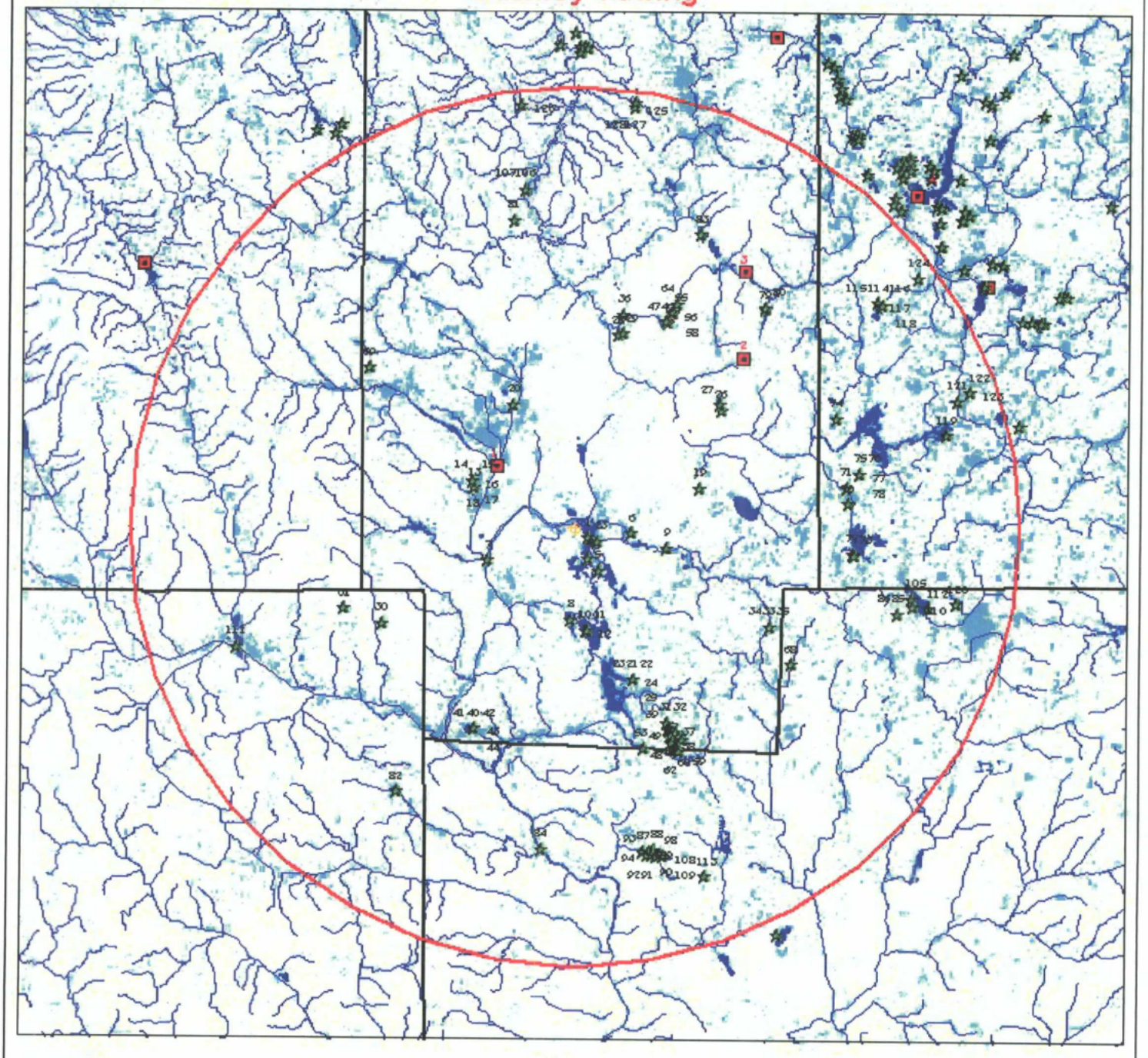
OhioEPA

Division of Emergency & Remedial Response

GEOGRAPHIC INFORMATION SYSTEM 15-MILE RADIUS MAP

NATURAL HERITAGE DATA

Buckley Towing



Site
US Endangered/Threatened Species
Ohio Endangered/Threatened Species

Public Surface Water Systems
Community
Non-Community/Transient
Non-Community/Non-Transient

Rivers & Streams
Wetland Area
Lakes & Ponds
Limit of Radius From Site
County Boundaries

N

4 0 4 8 Miles